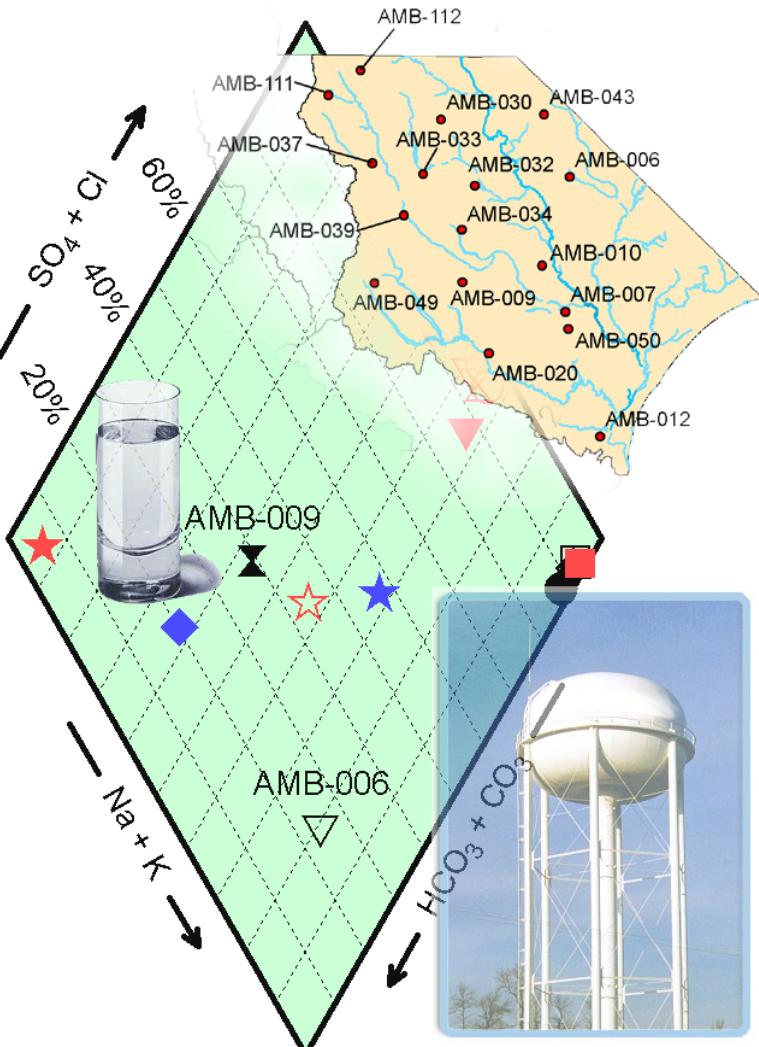


# Bureau of Water

*South Carolina Department of Health and Environmental Control*

## South Carolina Ambient Groundwater Quality Monitoring Network

### 2003 Annual Report



## Pee Dee Basin

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## **South Carolina Ambient Groundwater Quality Report, 2003 Summary: Pee Dee Basin**

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## Abstract

An ambient groundwater quality monitoring network has been established in South Carolina for the purpose of obtaining statewide and aquifer-specific baseline values of groundwater quality. This network utilizes selected public and private water wells for obtaining groundwater samples. Initial sampling was performed in 1987 encompassing 19 wells in four counties. As of 2002, wells from various counties were added from all the major aquifers of South Carolina, and to date South Carolina has a comprehensive network of 116 wells sampling various depths and locations of the nine major aquifers.

The geology of South Carolina influences the quality and composition of the groundwater and dictates the methods of obtaining the water, and is separated neatly along the fall-line running along a SW-NE line through the middle of the state. Wells sampled in the Piedmont tap either the thin layer of saprolite at the surface, or the underlying fractured bedrock, consisting of low to medium grade metamorphic rocks with scattered granitic plutons. Wells sampled to the east of the fall line tap one of the seven extensive Coastal Plain aquifers that generally consist of sand, silt or permeable carbonate rocks.

Water quality data indicate that a high degree of variability exists throughout the Coastal Plain, with anion and cation concentrations generally increasing toward the coast. The presence and concentration of many chemical constituents are controlled by aquifer geology and geochemistry. It is the purpose of this report to describe and explain some of the trends in geochemistry that exist throughout the major aquifers of the Pee Dee Basin and contrast those results with existing data from ambient groundwater samples previously obtained.

## Introduction

The state of South Carolina depends upon its groundwater resources to supply an estimated 40 percent of its residents. To monitor the ambient quality of this valuable resource, a network of existing public and private water wells has been established which provide groundwater quality data representing all of the State's major aquifers.

Although a great deal of groundwater quality monitoring is presently being carried out within South Carolina, this is generally at regulated industrial or commercial sites which have known or potential groundwater contamination. In general, these sites are monitored for water quality only in the uppermost (water table) aquifer. The monitoring program described herein has been designed to avoid wells in these areas of known or potential contamination, thereby allowing for the assumption that variability in water chemistry reflects differences in any aquifer's background geochemistry caused by the natural heterogeneity of geologic materials and not anthropogenic causes for changes in aquifer chemistry.

Data derived from this monitoring network has been analyzed for the purpose of identifying variations in water chemistry among the State's major aquifers and developing an understanding of the ambient groundwater quality across South Carolina. The concentrations of certain chemical parameters in a region and/or aquifer may be used as a general indicator against which conditions of potential contamination can be assessed at sites within that area. It is not, however, intended to be used for all site-specific comparisons of water quality.

This report is presented in two sections. The first section is an outline of the methods involved in establishing and operating the monitoring network. This includes details concerning well selection, sample collection, chemical analysis, data management, data analysis, and implementation schedules. The second section is a report of the results of the monitoring efforts since 1987. Results include a discussion of the geology and hydrogeology of the aquifers monitored, and in addition, a discussion of aquifer-specific and geographic variations in water quality.

## Objectives

The primary objective of the monitoring network is to develop a baseline for ambient groundwater quality for all of South Carolina's aquifers. Through utilization of this data many other objectives may be achieved. Included among these secondary objectives are:

- 1) To determine areal variations in regional groundwater chemistry and quality.
- 2) To determine aquifer-specific variability in water chemistry and quality.
- 3) To detect any significant changes in groundwater chemistry over time. These time related variations are capable of being determined on both a regional and a statewide level.
- 4) To supply ambient groundwater quality data for certain areas or aquifers which are in the initial phase of potential contamination investigations.

It is worthwhile to point out some applications for which these data are not intended. Because of natural areal variations in water chemistry, ambient data are also not intended for use as a substitute for on-site background water quality monitoring by facilities that may be in the general vicinity.

## Methods and Organization

### Well Selection

The ambient monitoring network is comprised exclusively of existing public and private water wells. Public wells are generally preferred and constitute a majority of the network. Preference is given to public supply wells because of their potential for greater longevity and continuity of ownership in comparison to private water sources. Public wells also offer the benefit of pumping large volumes of water, thus supplying water samples that represent a more sizeable portion of the aquifer than a private well. However, in certain rural areas, where public supply wells are not available, private water wells are utilized despite the fact that a general lack of construction details for these private wells can limit their value as monitoring points.

Initial well selection steps are governed by the availability and completeness of drilling records contained within state files. If complete records exist with respect to location, depth, aquifer, etc., a well may then be further considered for incorporation into the monitoring network. Although past water quality analysis data exist for many network wells, particularly public supply wells, no consideration is given to these data when selecting network wells.

In order to sample water from "all" portions of the State's major aquifers, well selection criteria also include consideration of which aquifer each well is utilizing, along with the geographic distribution of wells within each aquifer. A final consideration that is addressed when selecting network wells is the presence of, or potential for, contamination within the area. At the time of well sampling, a field check of the area surrounding the well site is performed. If a significant potential contamination source is located in the vicinity, the well is not included in the monitoring network.

### Sample Collection and Chemical Analysis

Proper sampling protocol is essential for any monitoring program that is to provide meaningful and accurate data. Nacht (1983) provides a thorough review of monitoring sampling considerations, many of which may be directly applied to an ambient monitoring program. The Department of Health and Environmental Control, Environmental Quality Control (EQC) Standard Operating Procedures and Quality Assurance Manual, EQC SOP and QA Manual for short, provides a thorough review of monitoring sampling considerations, many of which may be directly applied to an ambient monitoring

program. The EQC SOP and QA Manual includes Sections 5 and 6, “Groundwater Monitoring and Sampling”, and “Sampling of Public and Water Supplies”, respectively, that specifically outline sample capture, cross-contamination prevention, and preservation of samples. A brief outline of some of the practices and considerations is presented below.

Sampling must be performed in a manner that will allow collection of groundwater that has not been chemically altered by the well system. Public supply wells can normally be sampled from a blow-off pipe or sample cock that is situated between the wellhead and any treatment systems. Private well samples are ideally drawn from the tap closest to the well. Water should be allowed to flow for a time period that is sufficient to recycle water through the entire volume of any pressure tanks in the system if the sample is collected past a pressure tank. Unless a significant volume of water has been pumped from a well immediately prior to sampling, an amount of water equal to or greater than the well volume should also be flushed through the system in order to reduce the likelihood of chemical alteration from well casings, pumps, or residence time in a well.

Samples are collected in appropriately prepared laboratory bottles that are compatible with the chemical constituent being measured. All samples are preserved with proper chemicals [such as sulfuric acid for total organic carbon (TOC) and nutrients, and nitric acid for metals] and refrigerated until submitted to the laboratory for analysis.

Laboratory analyses of water samples cover a wide spectrum of parameters that, as a whole, provide the information that is required to characterize both aquifer and regional groundwater quality. Appendix A presents a list of the chemical parameters that were analyzed. The sampling frequency for all network wells is once every five years.

Any well samples that have chemical concentrations in excess of the National Primary Drinking Water Regulations (Appendix B) will be resampled and analyzed to confirm constituent concentrations. If it is determined that a well is contaminated by anthropogenic causes, the well will be removed from the ambient monitoring network, and the well owner will be referred to proper South Carolina Department of Health and Environmental Control (SCDHEC) personnel for assistance. Future sampling of any wells found to be contaminated will be performed as part of a contamination source investigation.

## Data Management and Analysis

The ease with which information can be accessed is a critical factor in determining the success of any monitoring program. In the ambient monitoring network described here, all data related to well information and water quality are stored in an Access database and in STORET, the US Environmental Protection Agency’s STOrage and RETrieval system for water quality data. Analyses of network groundwater samples may be presented by way of trilinear (Piper) diagrams, radial diagrams and/or graphs. Both recent and historical results are presented in Appendix D, Ambient Well Network Water Quality Data. Discussion of various data analyses consider comparisons of water quality to factors such as geology of aquifers, variations of chemical constituent levels among regions, and changes in water quality over distance and presumed travel time.

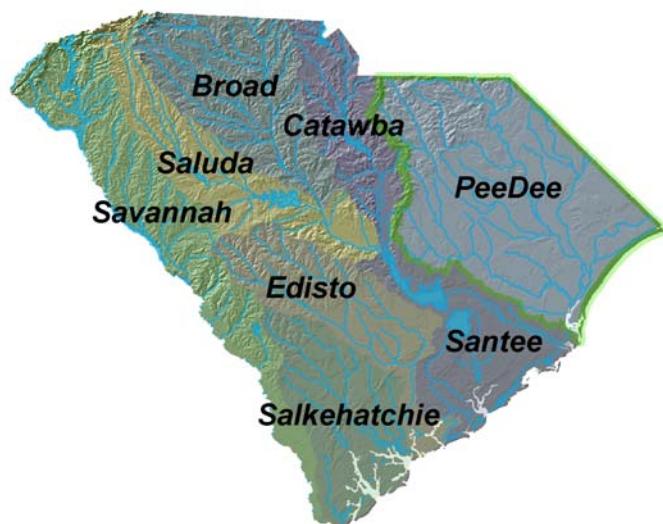
## Implementation Schedule

The ambient monitoring network was initiated in 1987 on a trial basis in a four county area. At that time, the network included 19 wells, both public and private, and was primarily intended to test and establish the network's methods. In 1988 and 1989, ten and sixteen additional counties were added, respectively. Nineteen wells were added to the network in 1990, another nine wells were added in 1991, and one more in 2000 and 2001. Each year a selection of the wells from a specific aquifer were sampled on a five-year cycle, until 2000. The current strategy involves sampling all represented aquifers within one of the eight major watersheds (**Figure 1**). The recent sampling dates are as follows:

### Schedule:

---

- |       |   |
|-------|---|
| 2000: | <b>Savannah and Salkehatchie</b> (25 wells): Piedmont Bedrock; Saprolite; Middendorf; Pee Dee/Black Creek; Floridan |
| 2001: | <b>Saluda and Edisto</b> (29 wells): Piedmont Bedrock; Saprolite; Middendorf; Black Mingo; Tertiary Limestone       |
| 2002: | <b>Catawba and Santee</b> (15 wells): Piedmont Bedrock; Middendorf; Black Creek; Pee Dee, Black Mingo               |
| 2003: | <b>Pee Dee</b> (17 wells): Piedmont Bedrock; Middendorf; Black Creek  |
| 2004: | <b>Broad</b> (16 wells): Piedmont Bedrock; Saprolite; Middendorf  |
| 2005: | <b>Savannah and Salkehatchie</b> (25 wells): Piedmont Bedrock; Saprolite; Middendorf; Pee Dee/Black Creek; Floridan |
- 

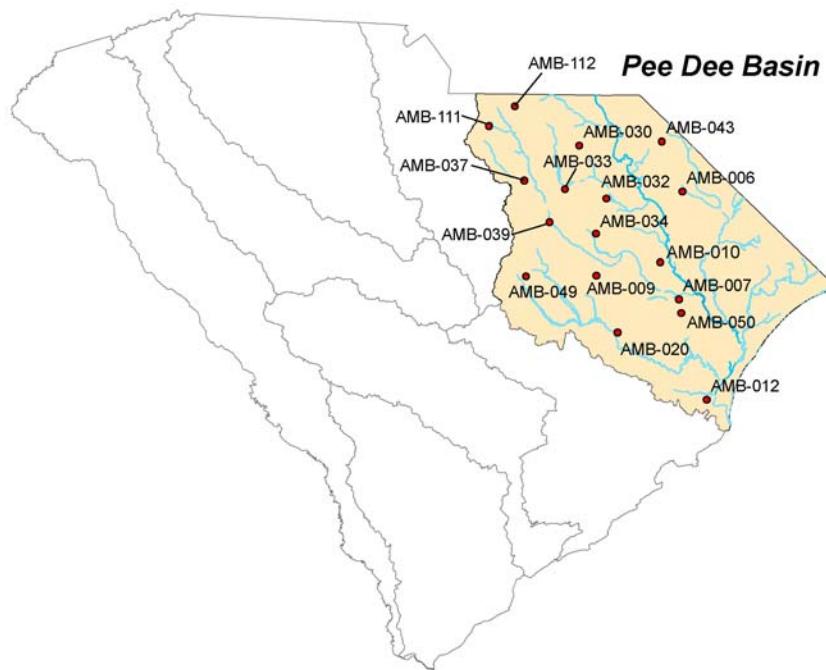


**Figure 1:** Locations of the eight major watersheds of South Carolina. This report highlights groundwater sampling conducted in the Pee Dee basin (highlighted in green).

## 2003 Monitoring Program

### Location

The 2003 ambient groundwater quality monitoring consisted of sampling wells in the Pee Dee basin from three distinct hydrologic units representing the Crystalline Bedrock, Middendorf, and Black Creek aquifers. Well locations are presented below in **Figure 2**.



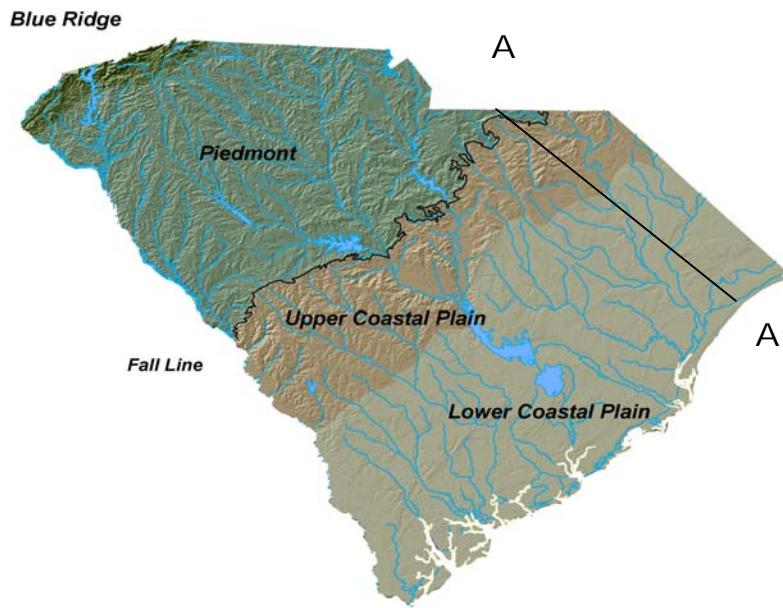
**Figure 2:** Locations of wells within the Pee Dee basin of South Carolina sampled during 2003.

### Network Wells

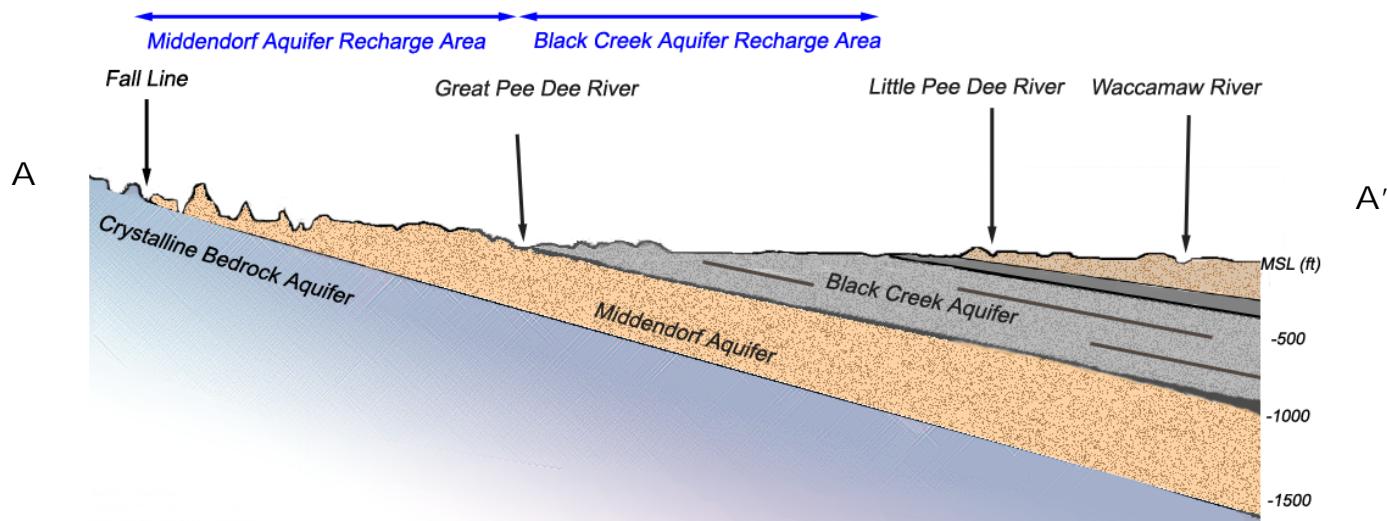
The monitoring network includes water quality data from 122 wells (Appendix C). Of these, 85 are used for public supply purposes, 34 for commercial or domestic supplies, and the remaining 3 provide water for fish hatchery ponds and heating/cooling purposes. The complete construction records available for the network wells allow reasonably accurate determination of which aquifer is being utilized at each location, and to a lesser degree, the nature of subsurface stratigraphy throughout the well's depth range. In addition, water chemistry trends, such as pH, silica content, fluoride content, specific conductance, and/or alkalinity often are fairly consistent within a given aquifer for a specific area. These data provide additional assurances that aquifer-specific water quality information is reported accurately.

## Physiography and Subsurface Geology

The physiographic regions exhibit variations in topography, geomorphology, geology, hydrology and vegetation that directly affect the quantity, quality and availability of water resources in South Carolina. The state is divided roughly in half by the Fall Line (**Figure 3**), a distinct surface transition from the igneous and metamorphic rocks of the Piedmont and Blue Ridge to the sedimentary formations of the Coastal Plain. The sedimentary deposits that contain the various Coastal Plain aquifers are the result of various sea level fluctuations and with differential sedimentation and erosion cycles. **Figure 4** illustrates the relationship of the major aquifers and confining units discussed in this report. Though other aquifers are present such as the Pee Dee and the Cape Fear, they are omitted from this report because they are either minor resources, or poorly defined in the published literature at this time.



**Figure 3:** Physiographic regions of South Carolina. Line of section A-A' shown.

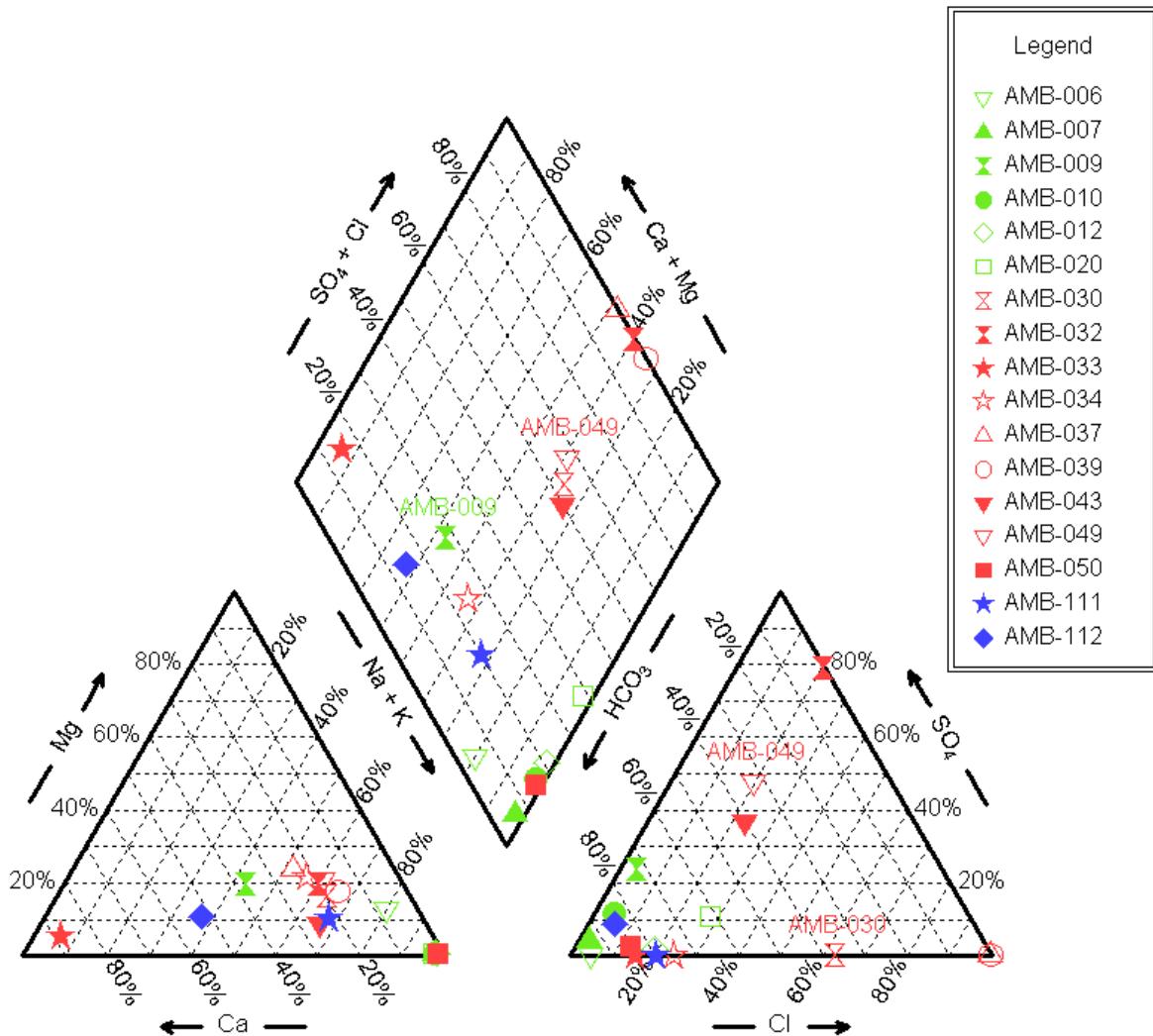


**Figure 4:** Generalized hydrogeologic cross-section through the Coastal Plain of the Pee Dee Basin.

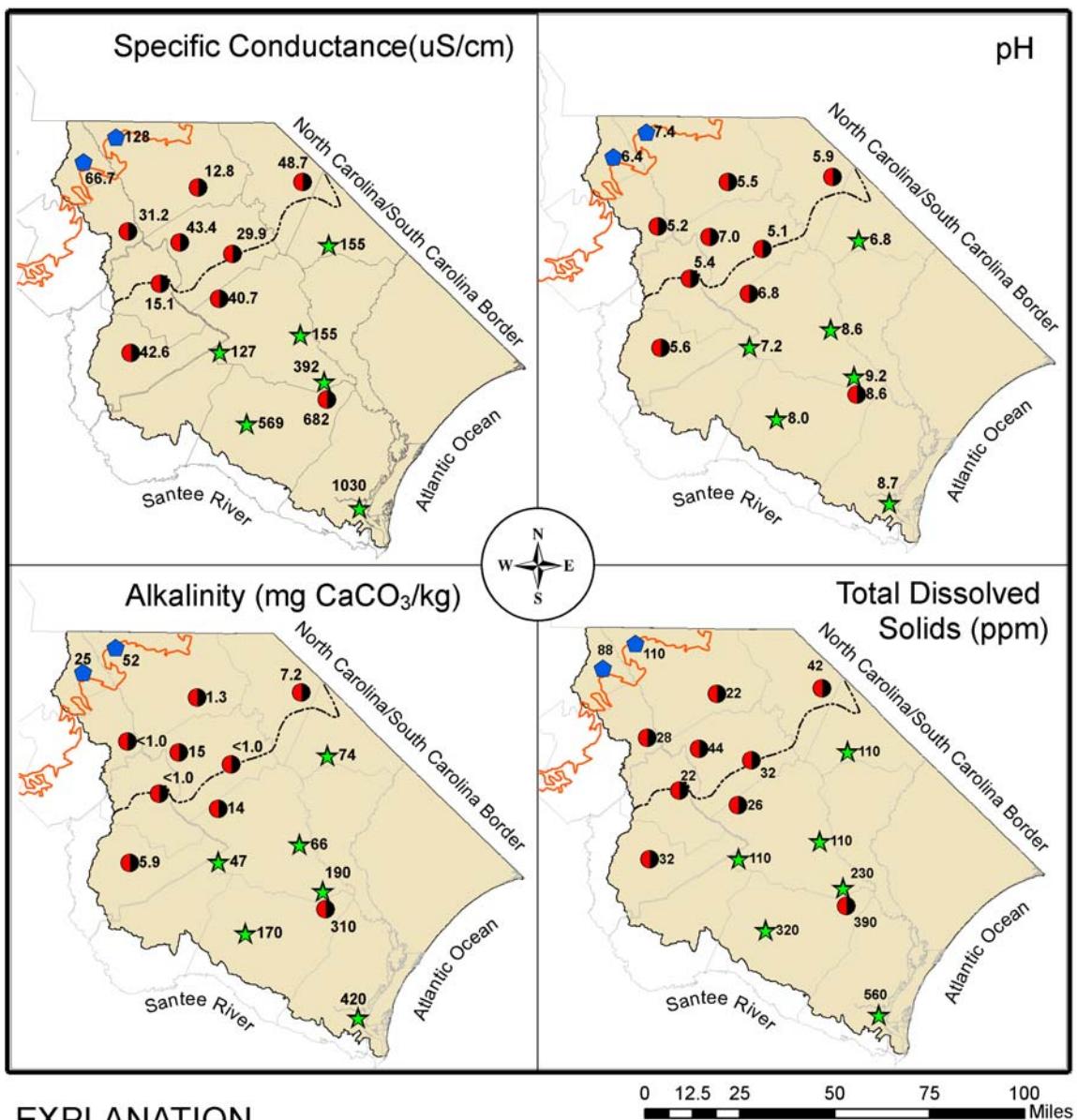
## Hydrogeology and Water Quality

### 2003 Ambient Groundwater Quality Sampling Results

Results of laboratory analyses of groundwater samples obtained within the Pee Dee basin are presented in **Figures 5** by way of a Piper trilinear diagrams. This diagram displays major trends of basic geochemistry by percentage of major cations and anions, not necessarily total abundance. Although an exacting interpretation of water quality is difficult using Piper diagrams, some trends, as evidenced by grouping or translation of data points along a common axis, are apparent. Further discussion of sampling results and geochemical interpretations are discussed by aquifer in the following section.



**Figure 5:** Piper diagram of 2003 ambient groundwater quality sampling results. Black symbols represent samples from the Black Creek aquifer, red symbols represent Middendorf samples, and blue are from Piedmont Bedrock.



## EXPLANATION

### Ambient Groundwater Quality Wells

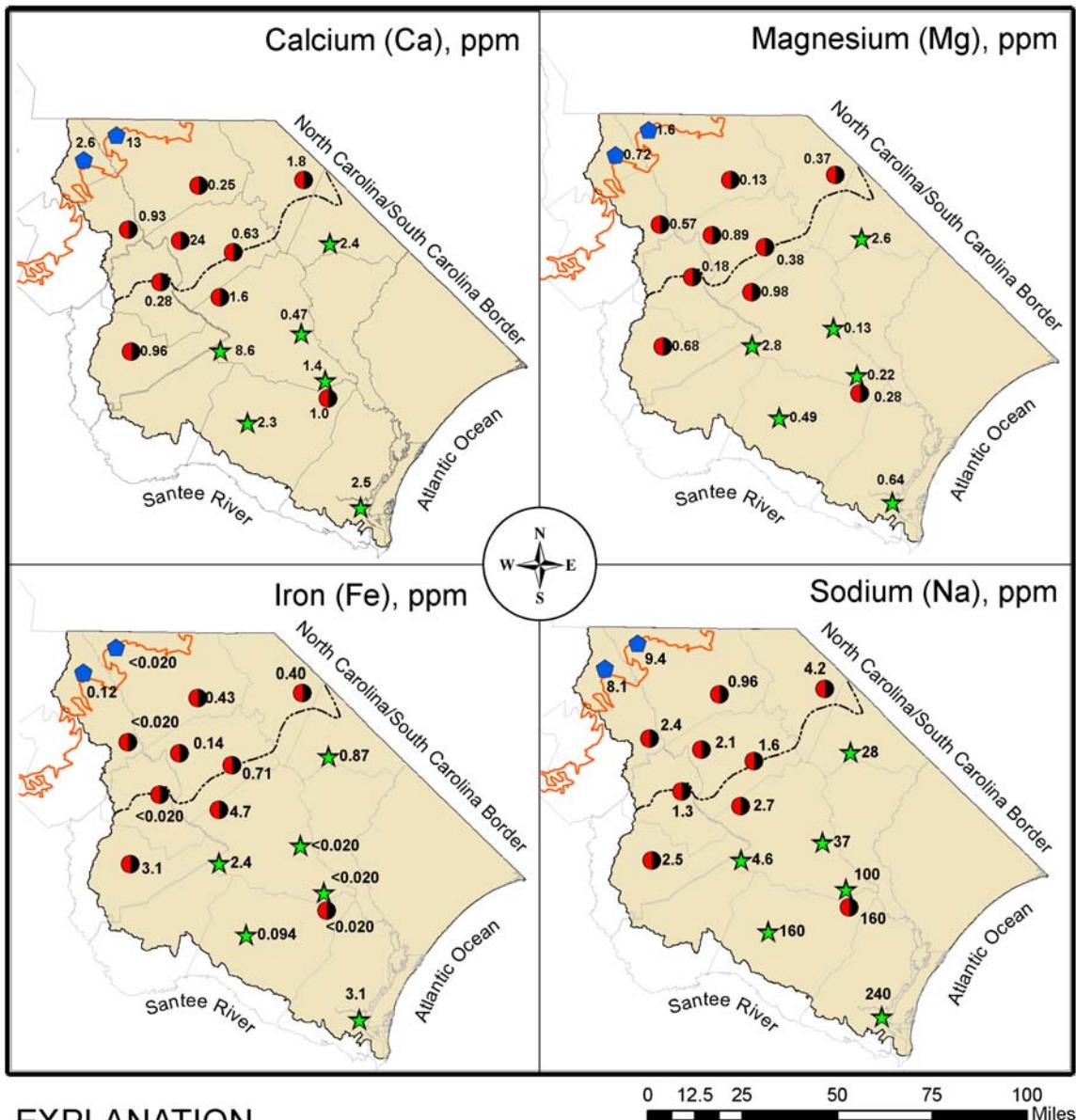
- ★ Black Creek Aquifer
- Middendorf Aquifer
- ◆ Piedmont Bedrock

### Physical or Political Boundaries

- Fall Line and Updip Limit of the Middendorf Aquifer
- - - Approximate Updip Limit of the Black Creek Aquifer

- Pee Dee Watershed
- Counties

Figure 6: Distribution of common descriptive water quality parameters in the Pee Dee Basin



## EXPLANATION

Ambient Groundwater Quality Wells

- ★ Black Creek Aquifer
- Middendorf Aquifer
- ◆ Piedmont Bedrock

Physical or Political Boundaries

- Fall Line and Updip Limit of the Middendorf Aquifer
- - - Approximate Updip Limit of the Black Creek Aquifer

0 12.5 25 50 75 100 Miles

Figure 7: Distribution of common anions in the Pee Dee basin by aquifer.

## Crystalline Bedrock Aquifer

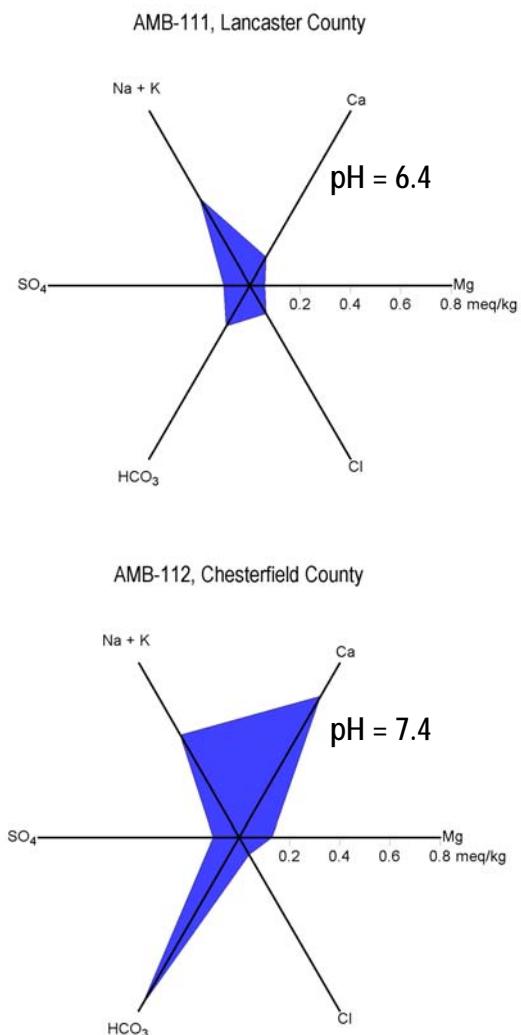
Groundwater supplies in the Piedmont and Blue Ridge physiographic provinces of South Carolina come from three types of hydrogeologic environments. These include the unweathered fractured crystalline bedrock, the overlying saprolite, and to a limited extent, the alluvial valley fill deposits where present. Most public and private wells in are completed in the fractured crystalline bedrock. Although the bedrock exists in a variety of mineralogical assemblages and textures, it has not been hydraulically characterized to an extent that allows designation of separate or distinct aquifers within the bedrock. Indeed, separate aquifers may not exist. For these reasons, the water-bearing portion of the Piedmont bedrock has been collectively termed the “bedrock aquifer” (Oldham, 1986), or more commonly, the Crystalline Bedrock aquifer. For the purposes of this report, any well completed in the crystalline rocks of igneous and/or metamorphic origin, and outside of the Coastal Plain Hydrogeologic Province are considered to withdrawal water from the Crystalline Bedrock aquifer.

Yields from crystalline bedrock vary greatly among wells, depending primarily upon the existence of joints and fractures within the rock. If fractures do exist, yield and specific capacity further depend upon the size of fractures and degree of fracture interconnection. Yields of 4 to 170 gallons per minute (gpm) from the 30 network wells in the Piedmont bedrock have been recorded. This broad range in yield is an indicator of the great variability in the occurrence, size and interconnection of joints and other fractures that exist in this aquifer system.

During the 2003 sampling event, two (2) wells were sampled from the crystalline bedrock aquifer. The sampling results indicate that there are significant differences between the two sampling points, but collectively, the two bedrock aquifer samples share common characteristics when compared to nearby samples from the Middendorf aquifer.

The radial diagrams presented in **Figure 8** illustrate the relative abundance of common dissolved ions expressed in milliequivalents per kilogram. Both samples display a near-neutral pH, and are either sodium or calcium bicarbonate waters. AMB-111 from Lancaster County displayed a much lower abundance of sodium, calcium, and bicarbonate ( $\text{HCO}_3^-$ ) and a lower pH, which may indicate that water from this well may be less geochemically evolved than AMB-112. The two wells may also simply be completed in rocks of different lithologies. Regardless, both wells display the highest dissolved silica concentrations of all Pee Dee Basin samples obtained in 2003, which must be signs of silicate mineral weathering from the igneous and metamorphic rocks that host groundwater in the Piedmont.

Both AMB-111 and AMB-112 slightly exceeded the EPA’s maximum contaminant level (MCL) for beryllium (Be), with values 0.0058 and 0.0055 ppm, respectively. The current MCL is 0.004 ppm to prevent intestinal damage that may be caused at increased levels of exposure. AMB-112 also exceeded the Secondary MCL established under the National Safe Drinking Water Act (NSDWA) for Manganese (0.004 ppm) with a result of 0.052 ppm.



**Figure 8:** Common ion composition radial diagrams of samples from Crystalline Bedrock aquifer in the Pee Dee watershed.

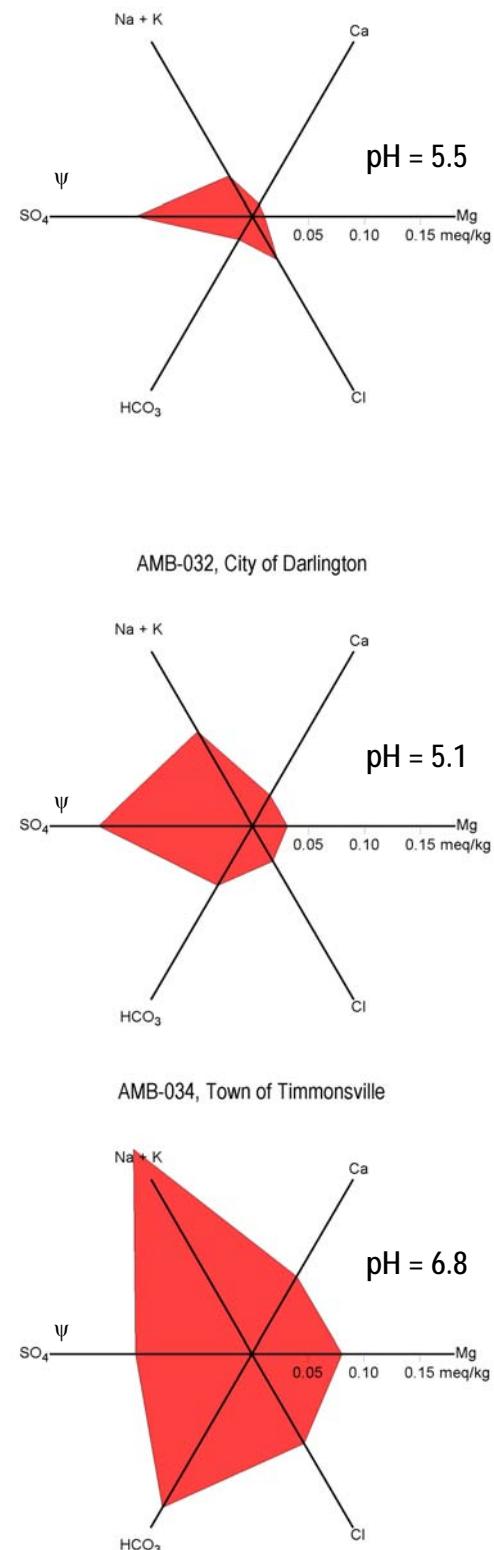
### Middendorf Aquifer

The Middendorf aquifer overlies the crystalline bedrock and associated saprolite and stretches from the upper Coastal Plain beyond the Atlantic coastline offshore. In this region, it is buried by younger Coastal Plain sediments at maximum depths of over 1500 feet near the Grand Strand (**Figure 3**). In the upper Coastal Plain section of the Pee Dee watershed, the Middendorf aquifer provides groundwater to numerous domestic, municipal, and industrial users; however, it is tapped by only a few wells in the middle and lower Coastal Plain regions. The lower usage toward the coast is primarily a result of the presence of shallower, more economically developed aquifers such as the Black Creek and the very shallow Surficial aquifer. Decreased usage is also the result of the decreased water quality proximal to the Atlantic Ocean.

Middendorf sediments are comprised of fine to coarse quartzitic and arkosic sands, with discontinuous interbeds of sandy clays, kaolin, and gravel. Since the Middendorf aquifer of the upper Coastal Plain is comprised of clean quartz sands that have been thoroughly leached by long exposure to meteoric waters, only a minimum concentration of ions is present in its waters. In general, samples from the Middendorf aquifer in the upper Coastal Plain often are difficult to interpret because so few ions are present in sufficient quantities to perform an exacting interpretation given standard laboratory detection limits. Groce (1980) described water from the Middendorf aquifer in the upper Coastal Plain as being generally soft, acidic, and low in dissolved solids, with locally high iron content. During the 2003 sampling event, Middendorf aquifer wells sampled in the upper Coastal Plain generally conform to this description while significant geochemical variation is present downdip.

**Figure 9** contrasts waters from the Middendorf aquifer near its recharge area in the vicinity of the Town of Patrick (AMB-030) within the upper Coastal Plain, through Timmonsville (AMB-034) in the middle Coastal Plain. The radial diagrams demonstrate the transition from acidic (pH 5.1-5.5), poorly buffered solutions that are undersaturated with respect to most common ions, to a more buffered state (higher HCO<sub>3</sub> and higher pH) with an increased abundance of common ions, particularly bicarbonate, sodium, magnesium, and calcium. Note that although sulfate (SO<sub>4</sub>) is plotted in relative abundance on the radial diagrams, the laboratory minimum detection limit of 5 mg/L is plotted instead of the actual, unknown value. Actual values are obviously expected to be less, though the presence of sulfate at low levels is probable, as it is a common ion in rainwater in the Carolinas (Hem, 1989).

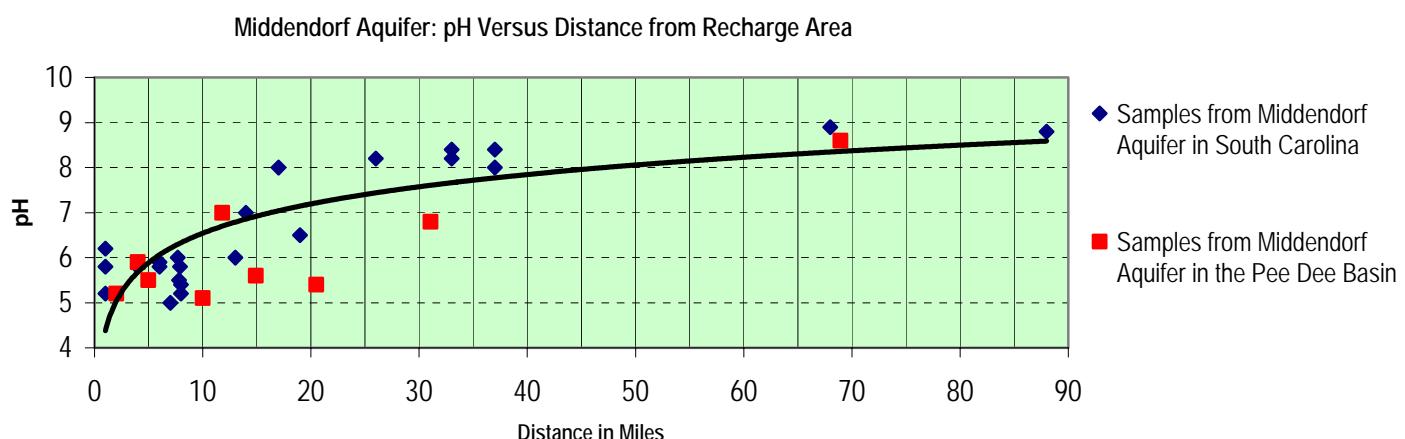
Ambient samples from the Pee Dee region as well as from other portions of South Carolina indicate that major geochemical changes occur within the first twenty miles from the recharge area. It is within this distance that the soft, acidic waters common in the



**Figure 9:** Geochemical evolution of water from the Middendorf aquifer in Chesterfield, Darlington and Florence Counties. Ψ = minimum detection limit (see text).

recharge area become more saturated with respect to sodium, bicarbonate, and other common ions. After approximately 40 miles, the waters are relatively saturated with respect to silica, sodium, and bicarbonate and, in general, less change occurs with distance downdip. An exception to this observation is found in the lowest portion of the Coastal Plain.

Lower Coastal Plain samples from the Middendorf aquifer such as AMB-050 are often highly mineralized, with significantly higher total dissolved solids (390 ppm), pH (8.6), and specific conductance (682  $\mu\text{S}/\text{cm}$ ). The downdip increase in ion concentration is thought to be largely a function of increased residence time of the water in the aquifer (flow is from the up dip recharge area in the upper Coastal Plain toward downdip, coastal area), as well as from the possible mixing of more mineralized water from adjacent aquifers and/or mixing with seawater, either modern or ancient (preserved in connate waters). Evidence for this has been documented in Middendorf wells from other sections of the lower Coastal Plain, and it further suggested by the transition from sodium bicarbonate waters to sodium chloride waters with proximity to the Atlantic Coastline.



**Figure 10:** Graph representing the trend of pH in the Middendorf aquifer relative to the distance from the aquifer's primary recharge area. The trend line represents a general trend for rate of change in pH. Note that the average pH of rainwater is 5.65 (Hem, 1989).

During the 2003 sampling event, the majority of the Middendorf wells produced objectionable quantities of iron above the EPA's Secondary MCL of 0.04 mg/L. As with manganese, the standard set is an aesthetic one, meaning higher values may not be harmful to human health; rather, the iron and manganese in higher concentrations may stain clothing or damage plumbing systems and fixtures at increased levels. Well AMB-034 produced waters with 4.3 mg/L iron, ten times the current standard. **Figure 7** displays the distribution of iron from all 2003 samples and suggests that iron content from Middendorf wells increases downdip from the Fall Line. Previous sampling events and discussions with water suppliers in the area have indicated that high-iron content groundwater is somewhat common in Chesterfield and Kershaw Counties, though it rarely follows a definite spatial pattern. Further study with emphasis on reduction-oxidation potential and dissolved oxygen field parameters may be helpful in understanding the dissolved iron abundances of the region. In addition to iron, pH of Middendorf aquifer water, particularly within twenty miles of the Fall Line is often acidic and is not ideal for use in some plumbing systems. For that reason, many public water supplies adjust the pH with alkaline agents such as soda ash or lime prior to distribution.

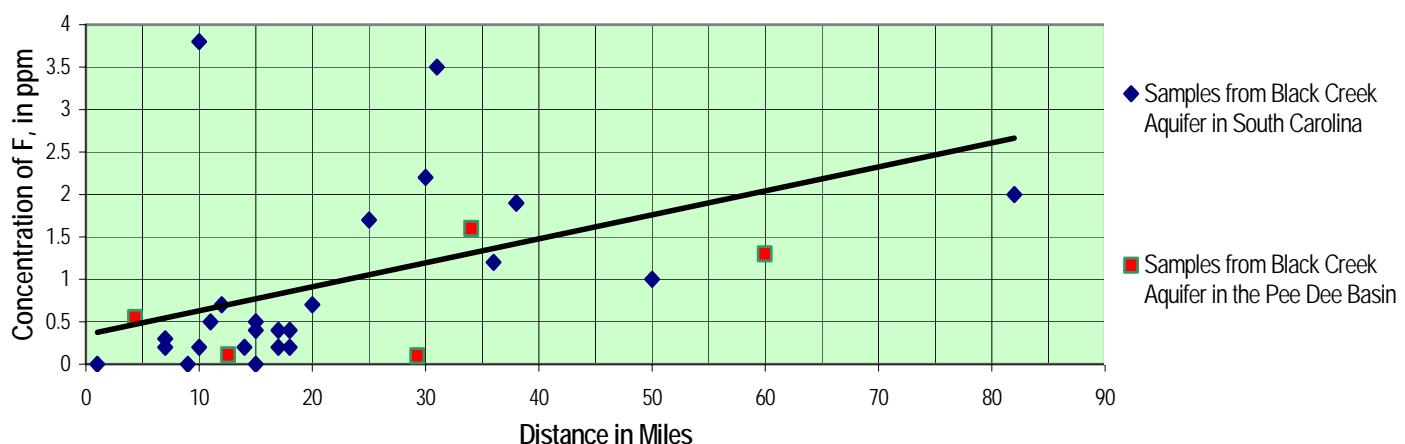
## Black Creek Aquifer

The Black Creek aquifer is an important source of groundwater in the central and lower Coastal Plain portion of the Pee Dee basin. This aquifer consists of medium to coarse-grained glauconitic (a clay mineral) and phosphatic quartz sands interbedded with lenses of lignitic (organic rich) and micaceous clays. Downdip, the Black Creek is predominantly a marine deposit and consists of alternating thin and continuous beds of indurated carbonate-cemented quartz sand and unconsolidated sand with lignite and carbonaceous material (Zack, 1980). In some areas, the Black Creek aquifer is often screened in the same well with the underlying Middendorf aquifer. Yields of over 1000 gpm are quite common when wells are screened in both aquifers. Yields that were recorded for Black Creek wells in the monitoring network ranged from 50 to 1500 gpm.

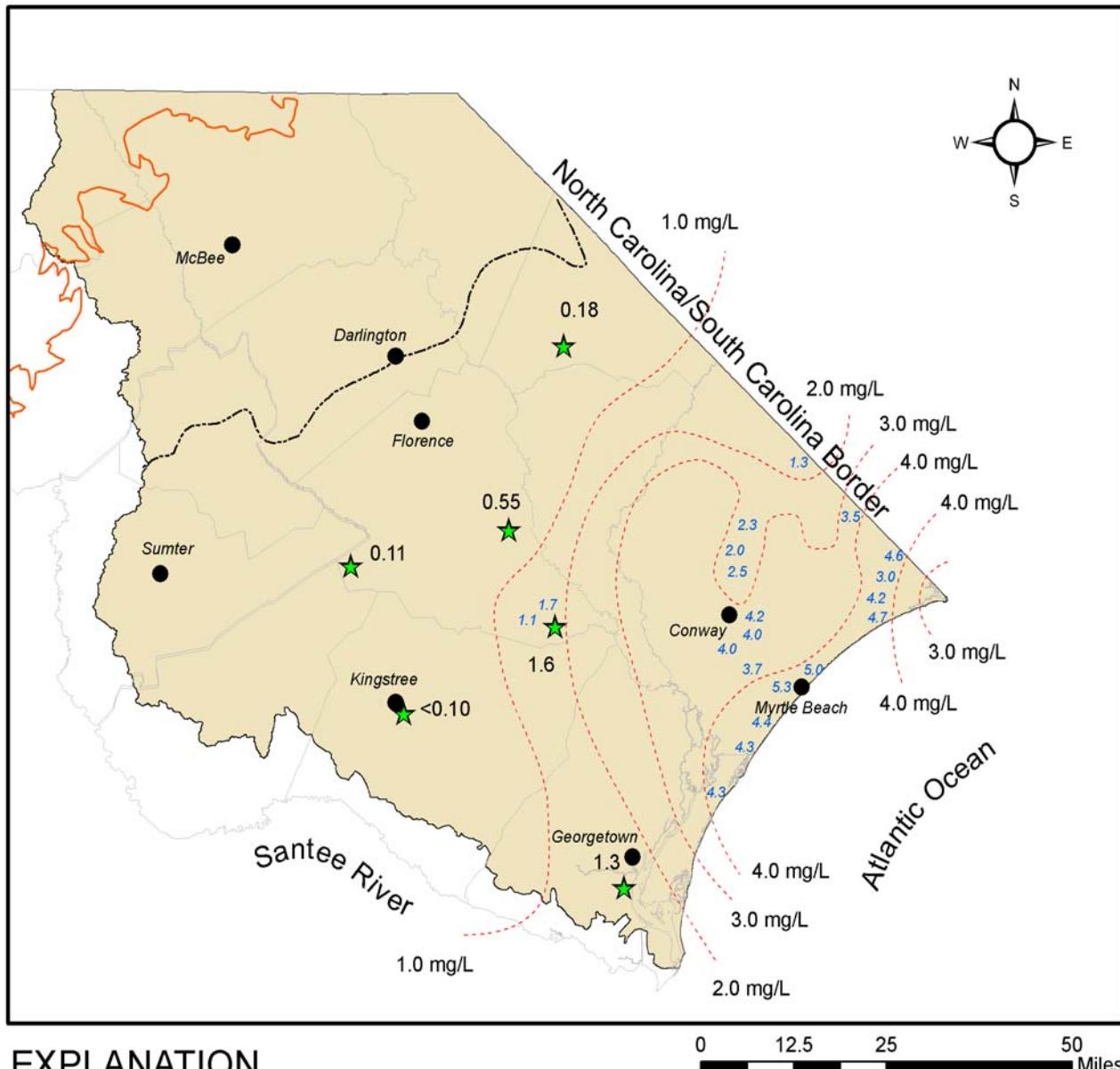
Similar to the Middendorf aquifer, Black Creek aquifer water chemistry also indicates a relationship between distance from recharge area and certain chemical concentrations. Of regional importance, though not detected during this sampling event, is the occurrence of high levels of fluoride in many portions of the Black Creek aquifer within the Pee Dee watershed. Long-term exposure to elevated levels of fluoride causes dental fluorosis (tooth mottling), which is predominantly a cosmetic ailment. According to Zack (1980), high fluoride values in the Black Creek may be attributable to the presence of cryptocrystalline fluoroapatite,  $\text{Ca}_5(\text{PO}_4)_3\text{F}$ , from the abundant fossilized shark teeth in the formation. Although fluoride concentration varies depending on the particular sand bed screened within the Black Creek Formation, a very generalized distribution of fluoride values from the Black Creek aquifer is presented in **Figures 11 and 12**. Though once a major concern for public water supplies in the Horry and Georgetown area, problems with fluoride have been reduced through treatment and the use of alternative water sources such as surface water and injected surface water from aquifer storage and recovery (ASR) operations.

On a statewide basis, samples obtained from the Black Creek aquifer display high variability in their composition and samples from the recharge areas often show no consistent dominant ionic affinity (**Figure 13**). With increased distance from the recharge area, Black Creek waters become more buffered and are typically a sodium bicarbonate type throughout most of Florence, Georgetown, Marion, and

**Black Creek Aquifer: Fluoride (F) Versus Distance from Recharge Area**



**Figure 11:** Graph representing the trend of fluoride in the Black Creek aquifer relative to distance from the primary recharge area. Samples are from the Ambient Groundwater Quality Network. Note that the current MCL for fluoride is 4.0 ppm (EPA, 2005).



## EXPLANATION

### Ambient Groundwater Quality Wells

- ★ Black Creek Aquifer
- 1.6 Fluoride Concentration Detected During the 2003 Ambient Sampling Event (mg/L=ppm)
- 2.6 Historical Fluoride Data and Location from SC DHEC Public Water Supply Sampling, in mg/L

### Physical, Chemical, or Political Boundaries

- Fall Line and Updip Limit of the Middendorf Aquifer
- - - Approximate Updip Limit of the Black Creek Aquifer
- - - Approximate Line of Equal Average Fluoride Concentration  
(Modified from Johnson and Rhett, 1981)

0 12.5 25 50 Miles

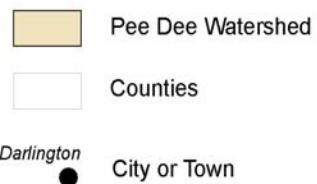
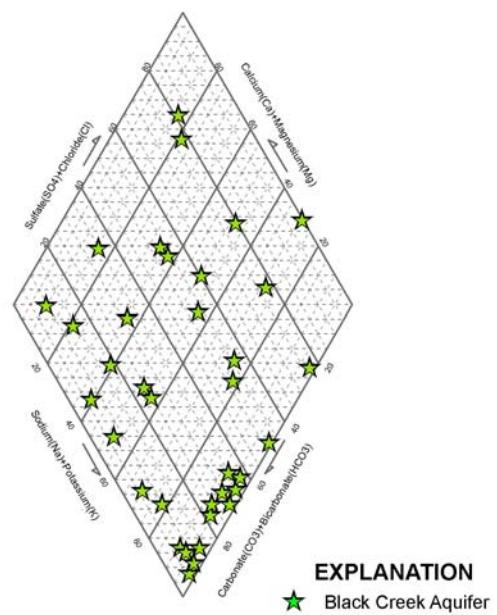


Figure 12: Generalized distribution of fluoride in the Black Creek aquifer. The current (2005) MCL for fluoride is 4.0 ppm (EPA, 2005).

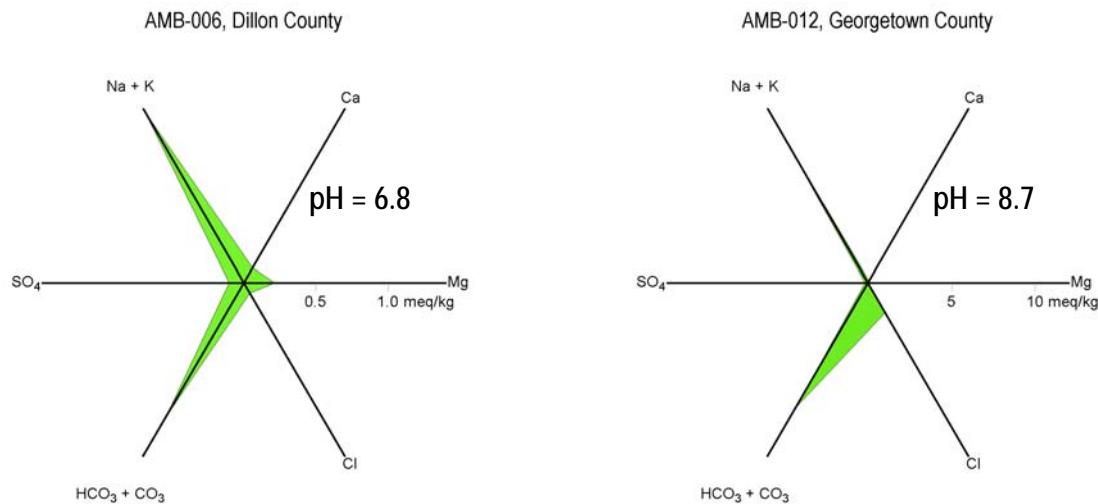
Williamsburg Counties. Proximal to the coast, samples from the Black Creek become increasingly sodium chloride-type waters, particularly in Horry and Georgetown Counties. Zack and Roberts (1988) determined that the increased sodium and chloride concentrations are likely due to zones of unflushed seawater in the aquifer. According to those authors, the presence of high chloride concentrations and ion exchange reactions (sodium for calcium) limit the amount of carbonate in the aquifer.

Values of pH in the Black Creek aquifer are generally alkaline, with a much less distinct trend toward higher downdip pH values than those observed in the Middendorf aquifer. **Figure 14** contrasts an updip (akin to upstream) sample from Dillon County with a downdip sample from Georgetown County. Of particular note is the increase in pH, carbonate, and chloride in the downdip sample (AMB-012). Note that in **Figure 14**, sodium plus potassium for AMB-012 is approximately 10 meq/kg. Because the concentrations of calcium and sulfate are very low, the radial spike representing sodium plus potassium is extremely thin.

Wells AMB-006, AMB-009, and AMB-010 showed values above the secondary MCL for iron. AMB-006 also exceeded the MCL for beryllium. Though the Black Creek aquifer contains objectionable levels of fluoride, chloride, and sodium in sections of the lower Coastal Plain, over most of its extent, water quality is generally good to excellent, particularly in the upper Coastal Plain between Sumter County and Dillon County.



**Figure 13:** Piper diagram of statewide ambient samples from the Black Creek aquifer.



**Figure 14:** Contrast in composition of Black Creek aquifer waters from Dillon County and southern Georgetown County. Note large (10x) scale change on radial diagrams.

## Summary

An ambient groundwater quality-monitoring network for South Carolina's major aquifers has been outlined and established throughout the state. Network organization includes the consideration of factors such as well selection, sampling intervals and methods, chemical analysis, data management, a network implementation schedule and overall expenses.

As of 2003, statewide water samples have been collected at 122 wells, representing portions of nine different aquifers. Water quality and chemistry was found to be highly variable among the aquifers, as well as among differing regions of the same aquifer. Chemical results from the Pee Dee basin indicate that a general coastward (generally downflow) trend of increasingly mineralized groundwater exists. Water from shallow and highly leached sedimentary units of the upper Coastal Plain are generally free of significant concentrations of the major ions and are acidic. Iron is locally a problem in wells tapping the Middendorf aquifer near the Fall Line, and elevated fluoride, chloride, and sodium levels are present in the Black Creek aquifer in the lower Coastal Plain. The data from this groundwater-monitoring network provides both a baseline of information to be used in future groundwater evaluations, and a better understanding of the chemical nature of one of South Carolina's most essential and precious natural resources.

## Acknowledgements

Thanks are due to Rob Devlin for management of the water quality data through the STORET database and Chris Cole of the EQC Laboratories for assistance with sample processing and providing information on sample analyses and data reporting. David Baize, Sally Knowles, and Alton Boozer contributed input on this and previous annual reports. The cooperation of municipal and private well owners was also a critical factor and well appreciated. This report has been funded by the U.S. Environmental Protection Agency, Region IV, through Section 106 of the Clean Water Act.

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## Appendix A: Ambient Groundwater Quality Network Water Quality Parameters

nitrate  
hardness  
chloride  
sulfate  
TDS, Total Dissolved Solids  
pH  
alkalinity  
fluoride  
TOC, Total Organic Carbon  
specific conductivity  
aluminum  
beryllium  
boron  
cobalt  
strontium  
mercury  
molybdenum  
TKN, Total Kjeldahl Nitrogen (includes dissolved organic nitrogen and ammonia)  
silica  
zinc  
calcium  
magnesium  
sodium  
potassium  
arsenic  
barium  
copper  
iron  
lead  
manganese  
selenium  
silver  
tin  
uranium  
cadmium  
chromium  
nickel  
antimony  
lithium  
bicarbonate<sup>1</sup>

<sup>1</sup> In this report, bicarbonate is calculated using the method outlined in Hem (1989), and is as follows:  
Bicarbonate (mg/L) = (Alkalinity as mg CaCO<sub>3</sub> kg<sup>-1</sup>) / 0.8202. True speciation of the bicarbonate fraction involves incorporating the effects of pH and temperature of the solution based on dissociation equilibrium.

## Appendix B: Maximum Contaminant Levels

### Maximum Contaminant Levels

Primary MCLs for common inorganic dissolved ions are based on potential effects to human health. The maximum contaminant levels for select inorganic ions are as follows:

<u>Contaminant</u>	<u>Level (mg/l)</u>
Antimony	0.006
Arsenic	0.05
Barium	2.0
Beryllium	0.004
Cadmium	0.005
Chromium	0.10
Fluoride	4.0
Lead	0.015
Mercury	0.002
Nickel	0.1
Nitrate (as N)	10.0
Nitrite (as N)	1.0
Selenium	0.05

### Secondary Maximum Contaminant Levels

The secondary maximum contaminant levels are applicable to both community and non-community water systems. These standards are established to maintain the aesthetic quality of water, i.e. taste, odor, and color. The standard for pH and corrosivity were developed to primarily to protect plumbing systems. The secondary maximum contaminant levels are as follows:

<u>Contaminant</u>	<u>Level</u>
Aluminum	0.05 to .2 mg/l
Chloride	250 mg/l
Color	15 color units
Copper	1 mg/l
Corrosivity	Noncorrosive
Fluoride	4.0 mg/l
Foaming Agents	0.5 mg/l
Iron	0.3 mg/l
Manganese	0.05 mg/l
Odor	3 threshold odor #
pH	6.5-8.5
Silver	0.10 mg/l
Sulfate	250 mg/l
Total Dissolved Solids (TDS)	500 mg/l
Zinc	5 mg/l

Source: National Primary Drinking Water Regulations – EPA's Drinking Water Standards:  
<http://www.epa.gov/safewater/mcl.html>

## Appendix C: Analytical Results from Ambient Groundwater Quality Wells in the Pee Dee Basin, 2003

Well	Location	Latitude	Longitude	County	Sub-Basin	Aquifer	Date	pH	Cond
AMB-006	Town of Latta Well #1	34.3356	-79.4331	Dillon	Pee Dee	Black Creek	1/1/2003	6.8	155
AMB-007	Town of Johnsonville	33.8158	-79.4633	Florence	Pee Dee	Black Creek	1/1/2003	9.2	392
AMB-009	Town of Olanta	34.3345	-79.1670	Florence	Pee Dee	Black Creek	1/1/2003	7.2	127
AMB-010	Town of Pamplico	34.1977	-79.7585	Florence	Pee Dee	Black Creek	1/1/2003	8.6	155
AMB-012	Georgetown # 2	33.9334	-79.9397	Georgetown	Pee Dee	Black Creek	1/1/2003	8.7	1030
AMB-020	Town of Kingstree	34.1937	-79.2563	Williamsburg	Pee Dee	Black Creek	1/1/2003	8.0	569
AMB-030	Town of Patrick #1	33.2021	-79.9817	Chesterfield	Pee Dee	Middendorf	1/1/2003	5.5	12.8
AMB-032	City of Darlington-Main	32.3298	-80.7079	Darlington	Pee Dee	Middendorf	1/1/2003	5.1	29.9
AMB-033	City of Hartsville	34.5633	-80.0312	Darlington	Pee Dee	Middendorf	1/1/2003	7.0	43.4
AMB-034	Town of Timmonsville	32.9023	-80.6590	Florence	Pee Dee	Middendorf	1/1/2003	6.8	40.7
AMB-037	Town of Bethune	34.1372	-79.9385	Kershaw	Pee Dee	Middendorf	1/1/2003	5.2	31.2
AMB-039	City of Bishopville	34.1754	-80.7716	Lee	Pee Dee	Middendorf	1/1/2003	5.4	15.1
AMB-043	Town of Clio	33.7333	-81.0938	Marlboro	Pee Dee	Middendorf	1/1/2003	5.9	48.7
AMB-049	Sumter Plant #1	34.1132	-80.8802	Sumter	Pee Dee	Middendorf	1/1/2003	5.6	42.6
AMB-050	Town of Hemingway	33.9875	-80.8393	Williamsburg	Pee Dee	Middendorf	1/1/2003	8.6	682
AMB-111	White Bluff Baptist Church	35.1075	-82.6313	Lancaster	Pee Dee	Piedmont Bedrock	1/1/2003	6.4	66.7
AMB-112	Westside Estates	34.9524	-81.9355	Chesterfield	Pee Dee	Piedmont Bedrock	1/1/2003	7.4	128

Well	Location	Mn,ppm	Zn,ppm	Al,ppm	Be,ppm	B,ppm	Co,ppm	Hg,ppm	Mo,ppm	Se,ppm
AMB-006	Town of Latta Well #1	0.017	<0.010	<0.10	0.0058	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-007	Town of Johnsonville	<0.010	<0.010	<0.10	0.0039	0.22	<0.020	<0.00020	<0.020	<0.0020
AMB-009	Town of Olanta	0.043	<0.010	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-010	Town of Pamplico	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-012	Georgetown # 2	0.020	13	<0.10	<0.0030	0.70	<0.020	<0.00020	<0.020	<0.0020
AMB-020	Town of Kingstree	<0.010	<0.010	<0.10	<0.0030	1.0	<0.020	<0.00020	<0.020	<0.0020
AMB-030	Town of Patrick #1	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-032	City of Darlington-Main	0.012	0.024	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-033	City of Hartsville	<0.010	<0.010	0.14	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-034	Town of Timmonsville	0.11	0.011	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-037	Town of Bethune	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-039	City of Bishopville	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-043	Town of Clio	0.014	0.023	<0.10	0.0065	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-049	Sumter Plant #1	0.039	0.039	<0.10	<0.0030	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-050	Town of Hemingway	<0.010	<0.010	<0.10	<0.0030	1.8	<0.020	<0.00020	<0.020	<0.0020
AMB-111	White Bluff Baptist Church	<0.010	1.2	<0.10	0.0058	<0.10	<0.020	<0.00020	<0.020	<0.0020
AMB-112	Westside Estates	0.052	0.016	<0.10	0.0055	<0.10	<0.020	<0.00020	<0.020	<0.0020

Well	Location	TDS	Hard	TOC	Cl,ppm	SO4,ppm	Alk	Ca,ppm	Sr,ppm	TNK,ppm
AMB-006	Town of Latta Well #1	110	17	<2.0	2.9	<5.0	74	2.4	0.043	0.33
AMB-007	Town of Johnsonville	230	4.4	<2.0	4.0	7.8	190	1.4	0.024	0.35
AMB-009	Town of Olanta	110	33	<2.0	2.0	15	47	8.6	0.10	0.37
AMB-010	Town of Pamplico	110	1.7	<2.0	2.8	8.7	66	0.47	<0.010	0.36
AMB-012	Georgetown # 2	560	8.9	36	73	8.8	420	2.5	0.10	0.60
AMB-020	Town of Kingstree	320	7.8	28	56	28	170	2.3	0.061	0.28
AMB-030	Town of Patrick #1	22	1.2	2.1	1.6	<5.0	1.3	0.25	<0.010	<0.10
AMB-032	City of Darlington-Main	32	3.1	<2.0	1.3	6.6	<1.0	0.63	<0.010	<0.10
AMB-033	City of Hartsville	44	64	3.0	2.0	<5.0	15	24	0.016	<0.10
AMB-034	Town of Timmonsville	26	8.0	<2.0	3.3	<5.0	14	1.6	0.019	0.33
AMB-037	Town of Bethune	28	4.7	2.4	2.8	<5.0	<1.0	0.93	<0.010	<0.10
AMB-039	City of Bishopville	22	1.4	<2.0	2.1	<5.0	<1.0	0.28	<0.010	<0.10
AMB-043	Town of Clio	42	6.0	3.0	3.0	6.4	7.2	1.8	0.014	---
AMB-049	Sumter Plant #1	32	5.2	3.5	2.6	8.4	5.9	0.96	0.014	0.27
AMB-050	Town of Hemingway	390	3.6	15	35	8.4	310	1.0	0.035	0.33
AMB-111	White Bluff Baptist Church	88	9.4	<2.0	4.6	<5.0	25	2.6	0.030	---
AMB-112	Westside Estates	110	39	3.2	2.8	5.0	52	13	0.063	---

Well	Location	Ag,ppm	Sn,ppm	U,ppm	Cd,ppm	Cr,ppm	Ni,ppm	Li,ppm	Sb,ppm	SiO4,ppm
AMB-006	Town of Latta Well #1	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	21
AMB-007	Town of Johnsonville	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	24
AMB-009	Town of Olanta	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	37
AMB-010	Town of Pamplico	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	28
AMB-012	Georgetown # 2	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	0.014	<0.050	12
AMB-020	Town of Kingstree	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	21
AMB-030	Town of Patrick #1	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	7.2
AMB-032	City of Darlington-Main	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	0.020	<0.050	10
AMB-033	City of Hartsville	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	5.8
AMB-034	Town of Timmonsville	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	7.1
AMB-037	Town of Bethune	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	6.6
AMB-039	City of Bishopville	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	8.6
AMB-043	Town of Clio	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	13
AMB-049	Sumter Plant #1	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	0.030	<0.050	12
AMB-050	Town of Hemingway	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	16
AMB-111	White Bluff Baptist Church	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	<0.010	<0.050	47
AMB-112	Westside Estates	<0.030	<0.50	<0.15	<0.010	<0.010	<0.020	0.014	<0.050	39

Alk = Alkalinity, reported in mg CaCO<sub>3</sub>/L

Hard = Hardness, reported in mg CaCO<sub>3</sub>/kg

Cond = Specific Conductivity, reported in µS/cm at 25° Celsius

## Appendix C: Ambient Groundwater Quality Wells and Locations

Well No.	Location	County	Well No.	Location	County
1	Bamberg	Bamberg	62	Fork Shoals	Greenville
2	Williston	Barnwell	63	Gilbert	Lexington
3	Elloree	Orangeburg	64	Little Mountain	Newberry
4	Bowman	Orangeburg	65	East Cntrl Newberry	Newberry
5	Lake View #1	Dillon	66	Newberry	Newberry
6	Latta #1	Dillon	67	Whitmire	Newberry
7	Johnsonville	Florence	68	Chappells	Newberry
8	McLeod Med Center	Florence	69	Newberry	Newberry
9	Olanta	Florence	70	Mountain Rest	Oconee
10	Pamplico #1	Florence	71	Pickens	Pickens
11	Andrews #2	Georgetown	72	Ballentine	Richland
12	Georgetown #2	Georgetown	73	Union	Union
13	Conway #6	Horry	74	Guthries	York
14	Surfside-Poplar St.	Horry	75	Abbeville	Abbeville
15	Myrtlewood	Horry	76	Starr (deep)	Anderson
16	Longs #2	Horry	77	Blacksburg	Cherokee
17	Mullins-Gapway	Marion	78	Mauldin	Greenville
18	Oakland Plantation	Sumter	79	Fork Shoals	Greenville
19	Watson Correctional	Sumter	80	Newberry	Newberry
20	Kingstree RT 377	Williamsburg	81	Mountain Rest	Oconee
21	St. Stephens	Berkeley	82	Pickens	Pickens
22	Summerville #5	Dorchester	83	Union	Union
23	Cainhoy High School	Berkeley	84	McClellanville	Charlestown
24	Santee Cooper	Berkeley	85	Edisto Beach (13)	Colleton
25	St. Matthews	Calhoun	86	Bennetts Point	Colleton
26	Wagner	Aiken	87	North Santee	Georgetown
27	North Augusta	Aiken	88	Socastee	Horry
28	Montmorenci-Coucht	Aiken	89	Fairfax	Allendale
29	Parris Island	Beaufort	90	Frogmore	Beaufort
30	Patrick #1	Chesterfield	91	Sheldon	Beaufort
31	Walterboro (50)	Colleton	92	Hilton Head Island	Beaufort
32	Main Street	Darlington	93	Bluffton	Beaufort
33	Hartsville #4	Darlington	94	Walterboro (29)	Colleton
34	Timmonsville #2	Florence	95	Edisto Beach (4)	Colleton
35	S. Ballard Street	Florence	96	Lieber Correctional	Dorchester
36	Elgin	Kershaw	97	Hardeeville	Jasper
37	Bethune	Kershaw	98	Ridgeland	Jasper
38	Camden	Kershaw	99	Grays	Jasper
39	Bishopville #4	Lee	100	Cope	Orangeburg
40	Swansea	Lexington	101	Orng Fish Hatchery(2)	Orangeburg
41	Summit	Lexington	102	Blackville	Barnwell
42	Hidden Valley	Lexington	103	Lex-Oak Grove Elem	Lexington
43	Clio	Marlboro	104	North	Orangeburg
44	Orng Fish Hatchery(1)	Orangeburg	105	Pickney Estates	Sumter
45	Fort Jackson	Richland	106	Hamilton Branch	McCormick
46	Spring Valley	Richland	107	N.W. Edgefield Co.	Edgefield
47	Hopkins	Richland	108	Caesar's Head	Greenville
48	North of Eastover	Richland	109	Spartanburg	Spartanburg
49	Sumter Plant 1- #3	Sumter	110	Chester State Park	Chester
50	Hemingway	Williamsburg	111	White Bluff Baptist	Lancaster
51	Allendale	Allendale	112	Westside Estates	Chesterfield
52	Eutaw Springs	Orangeburg	113	Amick Poultry	Saluda
53	Moncks Corner	Berkeley	114	WSBH Radio	Hampton
54	Abbeville	Abbeville	115	McCormick	McCormick
55	Starr	Anderson	116	Pelion	Lexington
56	Blacksburg	Cherokee	117	Brattonsville	York
57	Jenkinsville #11	Fairfield	118	Orangeburg Co.	Orangeburg
58	Ridgeway	Fairfield	119	Mt. Pleasant	Charleston
59	Lake Wateree St Pk	Fairfield	121	Elgin	Kershaw
60	Jenkinsville #4	Fairfield	121	McClellanville	Charleston
61	Mauldin	Greenville	122	Hampton State Park	Charleston

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-001	City of Bamberg	33.2885222	-81.040775	Bamberg	Sav-Salk
AMB-001	City of Bamberg	33.2885222	-81.040775	Bamberg	Sav-Salk
AMB-001	City of Bamberg	33.2885222	-81.040775	Bamberg	Sav-Salk
AMB-001	City of Bamberg	33.2885222	-81.040775	Bamberg	Sav-Salk
AMB-002	Town of Williston	33.397225	-81.4020056	Barnwell	Saluda-Edisto
AMB-002	Town of Williston	33.397225	-81.4020056	Barnwell	Saluda-Edisto
AMB-002	Town of Williston	33.397225	-81.4020056	Barnwell	Saluda-Edisto
AMB-002	Town of Williston	33.397225	-81.4020056	Barnwell	Saluda-Edisto
AMB-003	Town of Elloree	33.5265861	-80.5715139	Orangeburg	Catawba
AMB-003	Town of Elloree	33.5265861	-80.5715139	Orangeburg	Catawba
AMB-003	Town of Elloree	33.5265861	-80.5715139	Orangeburg	Catawba
AMB-003	Town of Elloree	33.5265861	-80.5715139	Orangeburg	Catawba
AMB-004	Town of Bowman	33.3891806	-80.2710056	Orangeburg	Saluda-Edisto
AMB-004	Town of Bowman	33.3891806	-80.2710056	Orangeburg	Saluda-Edisto
AMB-004	Town of Bowman	33.3891806	-80.2710056	Orangeburg	Saluda-Edisto
AMB-004	Town of Bowman	33.3891806	-80.2710056	Orangeburg	Saluda-Edisto
AMB-005	Town of Lake View	34.3344528	-79.1670417	Dillon	Pee Dee
AMB-006	Town of Latta Well #1	34.335625	-79.4330667	Dillon	Pee Dee
AMB-006	Town of Latta Well #1	34.335625	-79.4330667	Dillon	Pee Dee
AMB-006	Town of Latta Well #1	34.335625	-79.4330667	Dillon	Pee Dee
AMB-006	Town of Latta Well #1	34.335625	-79.4330667	Dillon	Pee Dee
AMB-007	Town of Johnsonville	33.8158	-79.4633333	Florence	Pee Dee
AMB-007	Town of Johnsonville	33.8158	-79.4633333	Florence	Pee Dee
AMB-007	Town of Johnsonville	33.8158	-79.4633333	Florence	Pee Dee
AMB-007	Town of Johnsonville	33.8158	-79.4633333	Florence	Pee Dee
AMB-008	Mcleod Medical Center	34.1977139	-79.7584861	Florence	Pee Dee
AMB-008	Mcleod Medical Center	34.1977139	-79.7584861	Florence	Pee Dee
AMB-008	Mcleod Medical Center	34.1977139	-79.7584861	Florence	Pee Dee
AMB-009	Town of Olanta	33.9333722	-79.9397222	Florence	Pee Dee
AMB-009	Town of Olanta	33.9333722	-79.9397222	Florence	Pee Dee
AMB-009	Town of Olanta	33.9333722	-79.9397222	Florence	Pee Dee
AMB-009	Town of Olanta	33.9333722	-79.9397222	Florence	Pee Dee
AMB-010	Town of Pamplico	33.995675	-79.5677778	Florence	Pee Dee
AMB-010	Town of Pamplico	33.995675	-79.5677778	Florence	Pee Dee
AMB-010	Town of Pamplico	33.995675	-79.5677778	Florence	Pee Dee
AMB-010	Town of Pamplico	33.995675	-79.5677778	Florence	Pee Dee
AMB-011	City of Andrews	33.44105	-79.5619333	Georgetown	Pee Dee
AMB-011	City of Andrews	33.44105	-79.5619333	Georgetown	Pee Dee
AMB-011	City of Andrews	33.44105	-79.5619333	Georgetown	Pee Dee
AMB-012	Georgetown # 2	33.3301528	-79.3104389	Georgetown	Pee Dee
AMB-012	Georgetown # 2	33.3301528	-79.3104389	Georgetown	Pee Dee
AMB-012	Georgetown # 2	33.3301528	-79.3104389	Georgetown	Pee Dee
AMB-012	Georgetown # 2	33.3301528	-79.3104389	Georgetown	Pee Dee
AMB-013	Conway #6	33.8512278	-79.0161639	Horry	Pee Dee
AMB-013	Conway #6	33.8512278	-79.0161639	Horry	Pee Dee
AMB-013	Conway #6	33.8512278	-79.0161639	Horry	Pee Dee
AMB-014	Poplar St.	33.6135028	-78.97815	Horry	Pee Dee
AMB-014	Poplar St.	33.6135028	-78.97815	Horry	Pee Dee

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-001	City of Bamberg	Black Creek	01-May-88	6.5	53	50	11
AMB-001	City of Bamberg	Black Creek	01-May-93	6.3	54	42	10
AMB-001	City of Bamberg	Black Creek	01-May-98	6.3		60	15
AMB-001	City of Bamberg	Black Creek	01-Jul-00	6.7	65.4	60	15
AMB-002	Town of Williston	Black Creek	01-May-88	6.4	74	46	35
AMB-002	Town of Williston	Black Creek	01-May-93	6.3	75	54	32
AMB-002	Town of Williston	Black Creek	01-May-98	6.7		170	32
AMB-002	Town of Williston	Black Creek	15-May-01	6.8	114	84	
AMB-003	Town of Elloree	Black Creek	01-May-88	8.1	121	200	26
AMB-003	Town of Elloree	Black Creek	01-May-93	8.2	126	82	27
AMB-003	Town of Elloree	Black Creek	01-May-98	8.4	132	90	26
AMB-003	Town of Elloree	Black Creek	01-May-02	8.2	123	86	26
AMB-004	Town of Bowman	Black Creek	01-May-88	9.1	140	72	4
AMB-004	Town of Bowman	Black Creek	01-May-93	9.2	142	90	5
AMB-004	Town of Bowman	Black Creek	01-May-98	9.0	148	88	10
AMB-004	Town of Bowman	Black Creek	15-May-01	9.3	141	68	
AMB-005	Town of Lake View	Black Creek	01-May-89	6.9	151	96	2
AMB-006	Town of Latta Well #1	Black Creek	01-May-89	6.9	154	100	17
AMB-006	Town of Latta Well #1	Black Creek	01-Jul-94	6.9	156	99	18
AMB-006	Town of Latta Well #1	Black Creek	01-Jul-99	7.0	151	88	18
AMB-006	Town of Latta Well #1	Black Creek	01-Jan-03	6.8	155	110	17
AMB-007	Town of Johnsonville	Black Creek	01-May-89	9.2	380	220	4
AMB-007	Town of Johnsonville	Black Creek	01-Jul-94	9.2	396	240	6
AMB-007	Town of Johnsonville	Black Creek	01-Jul-99	8.8	380	250	4
AMB-007	Town of Johnsonville	Black Creek	01-Jan-03	9.2	392	230	4.4
AMB-008	Mcleod Medical Center	Black Creek	01-May-89	6.0	161	150	44
AMB-008	Mcleod Medical Center	Black Creek	01-Jul-94	5.9	127	110	37
AMB-008	Mcleod Medical Center	Black Creek	01-Jul-99	5.9	130	140	37
AMB-009	Town of Olanta	Black Creek	01-May-89	7.6	130	94	40
AMB-009	Town of Olanta	Black Creek	01-Jul-94	7.6	145	100	41
AMB-009	Town of Olanta	Black Creek	01-Jul-99	7.5	140	120	34
AMB-009	Town of Olanta	Black Creek	01-Jan-03	7.2	127	110	33
AMB-010	Town of Pamplico	Black Creek	01-May-89	8.9	178	130	6
AMB-010	Town of Pamplico	Black Creek	01-Jul-94	8.9	169	120	5
AMB-010	Town of Pamplico	Black Creek	01-Jul-99	8.8	150	130	4
AMB-010	Town of Pamplico	Black Creek	01-Jan-03	8.6	155	110	1.7
AMB-011	City of Andrews	Black Creek	01-May-89	8.9	570	350	4
AMB-011	City of Andrews	Black Creek	01-Jul-94	9.1	598	340	6
AMB-011	City of Andrews	Black Creek	01-Jul-99	8.9	589	350	4
AMB-012	Georgetown # 2	Black Creek	01-May-89	8.7	990	550	7
AMB-012	Georgetown # 2	Black Creek	01-Jul-94	8.7	1030	570	7
AMB-012	Georgetown # 2	Black Creek	01-Jul-99	8.6	1011	550	7
AMB-012	Georgetown # 2	Black Creek	01-Jan-03	8.7	1030	560	8.9
AMB-013	Conway #6	Black Creek	01-May-89	8.6	1180	670	8
AMB-013	Conway #6	Black Creek	01-Jul-94	7.6	261	140	26
AMB-013	Conway #6	Black Creek	01-Jul-99	8.0	1507	810	53
AMB-014	Poplar St.	Black Creek	01-May-89	8.8	990	580	6
AMB-014	Poplar St.	Black Creek	01-Jul-94	8.7	965	550	6

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-001	City of Bamberg	<1	2.0	0.06	13.64	<10	0	0
AMB-001	City of Bamberg	3.1	1.3	0.04	8.89	10	0.21	46.67
AMB-001	City of Bamberg	<2	1.4	0.04	10	7	0.15	37.5
AMB-001	City of Bamberg	<2	1.8	0.05	9.62	9	0.19	36.54
AMB-002	Town of Williston	<1	2.0	0.06	12.24	<10	0	0
AMB-002	Town of Williston	4.6	1.9	0.05	7.25	10	0.21	30.43
AMB-002	Town of Williston	<2	2.3	0.06	8.33	7	0.15	20.83
AMB-002	Town of Williston	<2	6.2	0.17	15.89	15	0.31	28.97
AMB-003	Town of Elloree	<1	2.0	0.06	6.59	<10	0	0
AMB-003	Town of Elloree	4.4	1.6	0.05	4.55	10	0.21	19.09
AMB-003	Town of Elloree		2.3	0.06	6	8	0.17	17
AMB-003	Town of Elloree	<2	1.9	0.05	4.55	9.4	0.2	18.18
AMB-004	Town of Bowman	<1	2.0	0.06	5.5	<10	0	0
AMB-004	Town of Bowman	3.5	1.5	0.04	3.15	11	0.23	18.11
AMB-004	Town of Bowman	22	2.5	0.07	7.37	9	0.19	20
AMB-004	Town of Bowman	<2	1.6	0.05	3.76	11	0.23	17.29
AMB-005	Town of Lake View	<1	2.5	0.07	5.51	<10	0	0
AMB-006	Town of Latta Well #1	1.5	2.7	0.08	6.35	<10	0	0
AMB-006	Town of Latta Well #1	3.3	3.5	0.1	7.52	<5	0	0
AMB-006	Town of Latta Well #1	<2	3.1	0.09	6.43	5	0.1	7.14
AMB-006	Town of Latta Well #1	<2.0	2.9	0.08	6.2	<5.0	0	0
AMB-007	Town of Johnsonville	3.5	3.1	0.09	2.77	11	0.23	7.08
AMB-007	Town of Johnsonville	4.8	3.9	0.11	3.36	<5	0	0
AMB-007	Town of Johnsonville	<2	3.9	0.11	3.46	7	0.15	4.72
AMB-007	Town of Johnsonville	<2.0	4.0	0.11	3.25	7.8	0.16	4.73
AMB-008	Mcleod Medical Center	<1	30.5	0.86	60.56	12	0.25	17.61
AMB-008	Mcleod Medical Center	2.4	23.4	0.66	62.26	7	0.15	14.15
AMB-008	Mcleod Medical Center	<2	19.4	0.55	61.11	9	0.19	21.11
AMB-009	Town of Olanta	<1	2.0	0.06	6.06	<10	0	0
AMB-009	Town of Olanta	2.2	1.7	0.05	4.2	8	0.17	14.29
AMB-009	Town of Olanta	<2	2.3	0.06	5.04	7	0.15	12.61
AMB-009	Town of Olanta	<2.0	2.0	0.06	5.26	15	0.31	27.19
AMB-010	Town of Pamplico	5.5	3.0	0.08	4.73	17	0.35	20.71
AMB-010	Town of Pamplico	2.5	2.2	0.06	4.2	8.0	0.17	11.89
AMB-010	Town of Pamplico	2.8	2.4	0.07	5.51	8	0.17	13.39
AMB-010	Town of Pamplico	<2.0	2.8	0.08	5.97	8.7	0.18	13.43
AMB-011	City of Andrews	3.2	7.7	0.22	4.28	<10	0	0
AMB-011	City of Andrews	6.7	7.2	0.2	3.77	<5	0	0
AMB-011	City of Andrews	<2	5.8	0.16	3.13	<5	0	0
AMB-012	Georgetown # 2	1.0	66.7	1.88	27.25	11	0.23	3.33
AMB-012	Georgetown # 2	8.4	77.2	2.17	23.28	7	0.15	1.61
AMB-012	Georgetown # 2	<2	76.8	2.16	23.87	8	0.17	1.88
AMB-012	Georgetown # 2	36	73	2.06	22.56	8.8	0.18	1.97
AMB-013	Conway #6	1.5	102	2.87	27.49	<10	0	0
AMB-013	Conway #6	4.6	19	0.54	45	<5	0	0
AMB-013	Conway #6	<2	296	8.34	56.09	13	0.27	1.82
AMB-014	Poplar St.	2.5	25.1	0.71	8.22	<10	0	0
AMB-014	Poplar St.	12.1	26.4	0.74	8.31	<5	0	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-001	City of Bamberg	23	0.38	86.36	3.4	0.17	62.96	0.57
AMB-001	City of Bamberg	12	0.2	44.44	3.2	0.16	39.02	0.55
AMB-001	City of Bamberg	13	0.21	52.5	4.8	0.24	45.28	0.69
AMB-001	City of Bamberg	17	0.28	53.85	4.9	0.24	48.98	0.64
AMB-002	Town of Williston	26	0.43	87.76	13	0.65	85.53	0.55
AMB-002	Town of Williston	26	0.43	62.32	12	0.6	84.51	0.55
AMB-002	Town of Williston	31	0.51	70.83	12	0.6	60	0.56
AMB-002	Town of Williston	36	0.59	55.14	9.7	0.48	41.38	1
AMB-003	Town of Elloree	52	0.85	93.41	8.9	0.44	38.94	0.92
AMB-003	Town of Elloree	51	0.84	76.36	9.2	0.46	35.66	0.95
AMB-003	Town of Elloree	47	0.77	77	8.9	0.44	34.11	1
AMB-003	Town of Elloree	52	0.85	77.27	8.8	0.44	34.65	0.95
AMB-004	Town of Bowman	63	1.03	94.5	1.6	0.08	5.44	0.06
AMB-004	Town of Bowman	61	1	78.74	1.7	0.08	5.37	0.09
AMB-004	Town of Bowman	42	0.69	72.63	1.6	0.08	5.48	<.05
AMB-004	Town of Bowman	64	1.05	78.95	1.6	0.08	5.44	0
AMB-005	Town of Lake View	73	1.2	94.49	0.38	0.02	1.37	0.16
AMB-006	Town of Latta Well #1	72	1.18	93.65	2.6	0.13	9.7	2.60
AMB-006	Town of Latta Well #1	75	1.23	92.48	2.4	0.12	7.55	2.80
AMB-006	Town of Latta Well #1	74	1.21	86.43	2.5	0.12	7.64	2.8
AMB-006	Town of Latta Well #1	74	1.21	93.8	2.4	0.12	7.02	2.6
AMB-007	Town of Johnsonville	179	2.93	90.15	1.3	0.06	1.57	0.17
AMB-007	Town of Johnsonville	193	3.16	96.64	2	0.1	2.5	0.20
AMB-007	Town of Johnsonville	178	2.92	91.82	1.3	0.06	1.79	0.24
AMB-007	Town of Johnsonville	190	3.11	92.01	1.4	0.07	1.54	0.22
AMB-008	Mcleod Medical Center	19	0.31	21.83	14	0.7	66.67	2.10
AMB-008	Mcleod Medical Center	15.	0.25	23.58	12	0.6	62.5	1.80
AMB-008	Mcleod Medical Center	10	0.16	17.78	12	0.6	59.41	1.8
AMB-009	Town of Olanta	57	0.93	93.94	11	0.55	41.98	3.00
AMB-009	Town of Olanta	59	0.97	81.51	11	0.55	40.74	3.40
AMB-009	Town of Olanta	60	0.98	82.35	8.7	0.43	37.39	3
AMB-009	Town of Olanta	47	0.77	67.54	8.6	0.43	36.75	2.8
AMB-010	Town of Pamplico	77	1.26	74.56	1.9	0.09	5.33	0.36
AMB-010	Town of Pamplico	73	1.2	83.92	1.4	0.07	4	0.33
AMB-010	Town of Pamplico	63	1.03	81.1	1.2	0.06	3.47	0.28
AMB-010	Town of Pamplico	66	1.08	80.6	0.47	0.02	1.17	0.13
AMB-011	City of Andrews	300	4.92	95.72	1.2	0.06	0.97	0.19
AMB-011	City of Andrews	311	5.1	96.23	2	0.1	1.49	0.24
AMB-011	City of Andrews	302	4.95	96.87	1.2	0.06	0.9	0.22
AMB-012	Georgetown # 2	292	4.79	69.42	2.2	0.11	1.13	0.44
AMB-012	Georgetown # 2	427	7	75.11	1.9	0.09	0.84	0.51
AMB-012	Georgetown # 2	410	6.72	74.25	2	0.1	0.93	0.56
AMB-012	Georgetown # 2	420	6.89	75.47	2.5	0.12	1.12	0.64
AMB-013	Conway #6	462	7.57	72.51	2.1	0.1	0.81	0.62
AMB-013	Conway #6	40	0.66	55	8.6	0.43	19.46	1.1
AMB-013	Conway #6	382	6.26	42.1	17	0.85	7.33	2.6
AMB-014	Poplar St.	484	7.93	91.78	1.6	0.08	0.76	0.54
AMB-014	Poplar St.	498	8.16	91.69	1.5	0.07	0.69	0.48

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-001	City of Bamberg	18.52	0.05	1.1	0.05	<1	0	18.52
AMB-001	City of Bamberg	12.2	0.05	1.2	0.05	6	0.15	48.78
AMB-001	City of Bamberg	11.32	0.06	1.1	0.05	7	0.18	43.4
AMB-001	City of Bamberg	10.2	0.05	1.2	0.05	6	0.15	40.82
AMB-002	Town of Williston	6.58	0.05	1.4	0.06	<1	0	7.89
AMB-002	Town of Williston	7.04	0.05	1.4	0.06	<1	0	8.45
AMB-002	Town of Williston	5	0.05	8	0.35	<1	0	35
AMB-002	Town of Williston	6.9	0.08	13	0.57	1.2	0.03	51.72
AMB-003	Town of Elloree	7.08	0.08	14	0.61	<1	0	53.98
AMB-003	Town of Elloree	6.2	0.08	13	0.57	7	0.18	58.14
AMB-003	Town of Elloree	6.2	0.08	13	0.57	8	0.2	59.69
AMB-003	Town of Elloree	6.3	0.08	13	0.57	7.1	0.18	59.06
AMB-004	Town of Bowman	0	0	32	1.39	<1	0	94.56
AMB-004	Town of Bowman	0.67	0.01	31	1.35	2	0.05	93.96
AMB-004	Town of Bowman	0	0	31	1.35	1	0.03	94.52
AMB-004	Town of Bowman	0	0	31	1.35	1.4	0.04	94.56
AMB-005	Town of Lake View	0.68	0.01	33	1.43	<1	0	97.95
AMB-006	Town of Latta Well #1	15.67	0.21	23	1	<1	0	74.63
AMB-006	Town of Latta Well #1	14.47	0.23	25	1.09	6	0.15	77.99
AMB-006	Town of Latta Well #1	14.65	0.23	24	1.04	7	0.18	77.71
AMB-006	Town of Latta Well #1	12.28	0.21	28	1.22	6.4	0.16	80.7
AMB-007	Town of Johnsonville	0.26	0.01	86	3.74	<1	0	98.16
AMB-007	Town of Johnsonville	0.5	0.02	87	3.78	4	0.1	97
AMB-007	Town of Johnsonville	0.6	0.02	73	3.17	4	0.1	97.61
AMB-007	Town of Johnsonville	0.44	0.02	100	4.35	4.7	0.12	98.03
AMB-008	Mcleod Medical Center	16.19	0.17	4.2	0.18	<1	0	17.14
AMB-008	Mcleod Medical Center	15.62	0.15	3.7	0.16	2	0.05	21.88
AMB-008	Mcleod Medical Center	14.85	0.15	4.2	0.18	3	0.08	25.74
AMB-009	Town of Olanta	19.08	0.25	3.5	0.15	14	0.36	38.93
AMB-009	Town of Olanta	20.74	0.28	3.7	0.16	14	0.36	38.52
AMB-009	Town of Olanta	21.74	0.25	3.2	0.14	13	0.33	40.87
AMB-009	Town of Olanta	19.66	0.23	4.6	0.2	12	0.31	43.59
AMB-010	Town of Pamplico	1.78	0.03	36	1.57	<1	0	92.9
AMB-010	Town of Pamplico	1.71	0.03	35	1.52	5	0.13	94.29
AMB-010	Town of Pamplico	1.16	0.02	35	1.52	5	0.13	95.38
AMB-010	Town of Pamplico	0.58	0.01	37	1.61	2.8	0.07	98.25
AMB-011	City of Andrews	0.32	0.02	140	6.09	<1	0	98.7
AMB-011	City of Andrews	0.3	0.02	150	6.52	3	0.08	98.21
AMB-011	City of Andrews	0.3	0.02	150	6.52	3	0.08	98.8
AMB-012	Georgetown # 2	0.41	0.04	220	9.57	<1	0	98.46
AMB-012	Georgetown # 2	0.37	0.04	240	10.43	5	0.13	98.78
AMB-012	Georgetown # 2	0.47	0.05	240	10.43	6	0.15	98.6
AMB-012	Georgetown # 2	0.47	0.05	240	10.43	5.2	0.13	98.42
AMB-013	Conway #6	0.41	0.05	280	12.17	<1	0	98.78
AMB-013	Conway #6	4.07	0.09	37	1.61	3	0.08	76.47
AMB-013	Conway #6	1.81	0.21	240	10.43	4	0.1	90.85
AMB-014	Poplar St.	0.38	0.04	240	10.43	<1	0	98.86
AMB-014	Poplar St.	0.39	0.04	230	10	3	0.08	98.92

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-001	City of Bamberg	0.30	<.005	<.05	<.05	2.6	<.05
AMB-001	City of Bamberg	<0.1	<.005	0.08	<.05	1.3	<.05
AMB-001	City of Bamberg	0.14	<.005	0.08	<.01	1.7	<.05
AMB-001	City of Bamberg	<.1	<.005	0.08	<.01	2.1	<.05
AMB-002	Town of Williston	0.20	<.005	<.05	<.05	0.29	<.05
AMB-002	Town of Williston	0.14	<.005	<.05	<.05	<.05	<.05
AMB-002	Town of Williston	0.13	<.005	<.05	<.01	1	<.05
AMB-002	Town of Williston	<.1	<.005	<.05	<.01	0.13	<.05
AMB-003	Town of Elloree	0.30	<.005	<.05	<.05	0.09	<.05
AMB-003	Town of Elloree	0.15	<.005	<.05	<.05	0.08	0.01
AMB-003	Town of Elloree		<.005	<.05	<.01	0.06	<.05
AMB-003	Town of Elloree	0.14	<.005	<.05	<.01	0.041	<.05
AMB-004	Town of Bowman	0.20	<.005	<.05	<.05	<.05	<.05
AMB-004	Town of Bowman	0.16	<.005	<.05	<.05	<.05	<.05
AMB-004	Town of Bowman		<.005	<.05	0.04	0.08	<.05
AMB-004	Town of Bowman	0.12	<.005	<.05	<.01	<.02	<.05
AMB-005	Town of Lake View	0.40	<.005	<.05	<.01	0.42	<.05
AMB-006	Town of Latta Well #1	0.20	<.005	0.10	<.01	0.94	<.05
AMB-006	Town of Latta Well #1	0.16	<.005	0.10	0.01	0.86	<.05
AMB-006	Town of Latta Well #1	0.15	<.005	0.1	0.01	1	<.05
AMB-006	Town of Latta Well #1	0.18	<0.0050	0.091	<0.010	0.87	<0.050
AMB-007	Town of Johnsonville	1.68	<.005	<.05	<.01	<.01	<.05
AMB-007	Town of Johnsonville	1.39	<.005	<.05	<.01	<.02	0.08
AMB-007	Town of Johnsonville	1.61	<.005	<.05	<.01	<.02	<.05
AMB-007	Town of Johnsonville	1.6	<0.0050	<0.050	<0.010	<0.020	<0.050
AMB-008	Mcleod Medical Center	0.46	<.005	0.05	<.01	5.80	<.05
AMB-008	Mcleod Medical Center	0.34	<.005	<.05	<.01	4.60	<.05
AMB-008	Mcleod Medical Center	0.33	<.005	<.05	<.01	4.4	<.05
AMB-009	Town of Olanta	0.10	<.005	<.05	<.01	0.24	<.05
AMB-009	Town of Olanta	<0.1	<.005	<.05	<.01	0.25	<.05
AMB-009	Town of Olanta	<.1	<.005	<.05	<.01	0.25	<.05
AMB-009	Town of Olanta	0.11	<0.0050	<0.050	<0.010	2.4	<0.050
AMB-010	Town of Pamplico	0.66	<.005	<.05	0.06	0.21	<.05
AMB-010	Town of Pamplico	0.49	<.005	<.05	0.02	0.08	<.05
AMB-010	Town of Pamplico	0.43	<.005	<.05	0.05	0.31	<.05
AMB-010	Town of Pamplico	0.55	<0.0050	<0.050	<0.010	<0.020	<0.050
AMB-011	City of Andrews	1.80	<.005	<.05	<.01	<.01	<.05
AMB-011	City of Andrews	1.52	<.005	<.05	<.01	<.01	<.05
AMB-011	City of Andrews	1.58	<.005	<.05	<.01	<.02	<.05
AMB-012	Georgetown # 2	0.98	<.005	<.05	<.01	<.01	<.05
AMB-012	Georgetown # 2	0.9	<.005	<.05	<.01	0.03	<.05
AMB-012	Georgetown # 2	1.01	<.005	<.05	<.01	<.02	<.05
AMB-012	Georgetown # 2	1.3	<0.0050	<0.050	0.023	3.1	0.19
AMB-013	Conway #6	3.40	<.005	<.05	<.01	0.14	<.05
AMB-013	Conway #6	1	<.005	<.05	<.01	0.26	0.10
AMB-013	Conway #6	1.63	<.005	0.08	<.01	1.9	<.05
AMB-014	Poplar St.	1.80	<.005	<.05	<.01	0.01	<.05
AMB-014	Poplar St.	3.1	<.005	<.05	<.01	0.02	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-001	City of Bamberg	0.06	0.12	<.05	<.001	<.05	<.05
AMB-001	City of Bamberg	0.03	0.01	<.05	<.001	<.05	<.05
AMB-001	City of Bamberg	0.03	<.01	<.1	<.003	<.03	<.02
AMB-001	City of Bamberg	0.04	0.02	<.1	<.003	<.1	<.02
AMB-002	Town of Williston	<.05	<.05	<.05	<.001	<.05	<.05
AMB-002	Town of Williston	<.05	<.05	<.05	<.001	<.05	<.05
AMB-002	Town of Williston	<.01	0.02	<.1	0.004	<.03	<.02
AMB-002	Town of Williston	0.024	0.046	<.1	<.003	<.1	<.02
AMB-003	Town of Elloree	<.05	<.05	<.05	<.001	<.05	<.05
AMB-003	Town of Elloree	0.01	<.05	<.05	<.001	<.05	<.05
AMB-003	Town of Elloree	<.01	<.01	<.1	<.003	0.04	<.02
AMB-003	Town of Elloree	<.01	<.01	<.1	<.003	<.1	<.02
AMB-004	Town of Bowman	<.05	<.05	<.05	<.001	<.05	<.05
AMB-004	Town of Bowman	<.05	<.05	<.05	<.001	<.05	<.05
AMB-004	Town of Bowman	<.01	<.01	<.1	<.003	0.06	<.02
AMB-004	Town of Bowman	<.01	<.01	<.1	<.003	<.1	<.02
AMB-005	Town of Lake View	0.01	<.01	<.05	<.001	0.08	<.02
AMB-006	Town of Latta Well #1	0.02	<.01	<.05	<.001	0.05	<.02
AMB-006	Town of Latta Well #1	0.02	<.01	<.05	<.003	0.06	<.02
AMB-006	Town of Latta Well #1	0.03	<.01	<.1	<.003	<.1	<.02
AMB-006	Town of Latta Well #1	0.017	<.010	<.10	0.0058	<.10	<.020
AMB-007	Town of Johnsonville	<.01	<.01	<.05	<.001	0.22	<.02
AMB-007	Town of Johnsonville	<.01	<.01	0.06	<.003	0.22	<.02
AMB-007	Town of Johnsonville	<.01	<.01	<.1	<.003	0.23	<.02
AMB-007	Town of Johnsonville	<.010	<.010	<.10	0.0039	0.22	<.020
AMB-008	Mcleod Medical Center	0.10	0.02	<.05	<.001	<.02	<.02
AMB-008	Mcleod Medical Center	0.08	<.01	<.05	<.003	<.03	<.02
AMB-008	Mcleod Medical Center	0.08	<.01	<.1	<.003	<.1	<.02
AMB-009	Town of Olanta	0.02	<.01	<.05	<.001	0.05	<.02
AMB-009	Town of Olanta	0.02	<.01	<.05	<.003	0.04	<.02
AMB-009	Town of Olanta	0.02	<.01	<.1	<.003	<.1	<.02
AMB-009	Town of Olanta	0.043	<.010	<.10	<.0030	<.10	<.020
AMB-010	Town of Pamplico	<.01	0.11	<.05	<.001	0.09	<.02
AMB-010	Town of Pamplico	<.01	0.02	<.05	<.003	0.10	<.02
AMB-010	Town of Pamplico	<.01	0.03	<.1	<.003	<.1	<.02
AMB-010	Town of Pamplico	<.010	<.010	<.10	<.0030	<.10	<.020
AMB-011	City of Andrews	<.01	<.01	<.05	<.001	1.1	<.02
AMB-011	City of Andrews	<.01	<.01	<.05	<.001	1.2	<.02
AMB-011	City of Andrews	<.01	<.01	<.1	<.003	1.3	<.02
AMB-012	Georgetown # 2	<.01	<.01	<.05	<.001	0.60	<.02
AMB-012	Georgetown # 2	<.02	<.01	<.05	<.003	0.65	<.02
AMB-012	Georgetown # 2	<.01	<.01	<.1	<.003	0.75	<.02
AMB-012	Georgetown # 2	0.020	13	<.10	<.0030	0.70	<.020
AMB-013	Conway #6	<.01	<.01	<.05	<.001	0.28	<.02
AMB-013	Conway #6	0.03	0.03	0.17	<.003	0.21	<.02
AMB-013	Conway #6	0.04	0.04	<.1	<.003	2	<.02
AMB-014	Poplar St.	<.01	<.01	<.05	<.001	2.20	<.02
AMB-014	Poplar St.	<.01	<.01	<.05	<.003	2.20	<.02

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-001	City of Bamberg	<.0002	<0.1	<.005	<.05	<1	<.15
AMB-001	City of Bamberg	<.0002	0.04	<.005	<.05	<.5	<.15
AMB-001	City of Bamberg	<.0002	<.02	<.005	<.03	<.5	0.28
AMB-001	City of Bamberg	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-002	Town of Williston	<.0002	<.02	<.005	<.05	<.5	<.15
AMB-002	Town of Williston	<.0002	<.02	<.005	<.05	<.5	<.15
AMB-002	Town of Williston	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-002	Town of Williston	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-003	Town of Elloree	<.0002	<.01	<.005	<.05	<1	<.05
AMB-003	Town of Elloree	<.0002	0.06	<.005	<.05	<.5	<.15
AMB-003	Town of Elloree	<.0002	<.02	<.005	<.03	<.5	0.23
AMB-003	Town of Elloree	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-004	Town of Bowman	<.0002	<.01	<.005	<.05	<1	<.15
AMB-004	Town of Bowman	<.0002	<.02	<.005	<.05	<.5	<.15
AMB-004	Town of Bowman	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-004	Town of Bowman	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-005	Town of Lake View	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-006	Town of Latta Well #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-006	Town of Latta Well #1	<.0002	0.07	<.005	<.03	<.5	<.15
AMB-006	Town of Latta Well #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-006	Town of Latta Well #1	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-007	Town of Johnsonville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-007	Town of Johnsonville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-007	Town of Johnsonville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-007	Town of Johnsonville	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-008	Mcleod Medical Center	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-008	Mcleod Medical Center	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-008	Mcleod Medical Center	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-009	Town of Olanta	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-009	Town of Olanta	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-009	Town of Olanta	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-009	Town of Olanta	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-010	Town of Pamplico	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-010	Town of Pamplico	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-010	Town of Pamplico	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-010	Town of Pamplico	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-011	City of Andrews	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-011	City of Andrews	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-011	City of Andrews	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-012	Georgetown # 2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-012	Georgetown # 2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-012	Georgetown # 2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-012	Georgetown # 2	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-013	Conway #6	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-013	Conway #6	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-013	Conway #6	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-014	Poplar St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-014	Poplar St.	<.0002	0.06	<.005	<.03	<.5	<.15

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-001	City of Bamberg	<.01	<.05	<.05	<.05	<0.2	15	<.05
AMB-001	City of Bamberg	<.01	<.05	<.05	0.03	<0.2		0.03
AMB-001	City of Bamberg	<.01	<.01	<.02	0.03	<.05	16	0.03
AMB-001	City of Bamberg	<.01	<.01	<.02	0.03	<.05	16	0.04
AMB-002	Town of Williston	<.01	<.05	<.05	<.05	<0.2	14	<.05
AMB-002	Town of Williston	<.01	<.05	<.05	<.05	<0.2		0.02
AMB-002	Town of Williston	<.01	<.01	<.02	<.01	<.05	14	0.02
AMB-002	Town of Williston	<.01	<.01	<.02	<.01	<.05	12	0.03
AMB-003	Town of Elloree	<.01	<.05	<.05	<.05	<0.2	17	0.12
AMB-003	Town of Elloree	<.01	<.05	<.05	<.05	<.05		1.1
AMB-003	Town of Elloree	<.01	<.01	<.02	<.01	<.05	17	0.11
AMB-003	Town of Elloree	<.01	<.01	<.02	<.01	<.05	20	0.11
AMB-004	Town of Bowman	<.01	<.05	<.05	<.05	<0.2	14	<.05
AMB-004	Town of Bowman	<.01	<.05	<.05	<.05	<0.2		0.03
AMB-004	Town of Bowman	<.01	<.01	<.02	<.01	<.05	14	0.02
AMB-004	Town of Bowman	<.01	<.01	<.02	<.01	<.05	14	0.025
AMB-005	Town of Lake View	<.01	<.01	<.02	<.01	<.05	36	0.01
AMB-006	Town of Latta Well #1	<.01	<.01	<.02	<.01	<.05	20	0.04
AMB-006	Town of Latta Well #1	<.01	<.01	<.02	<.01	<.05	22	0.04
AMB-006	Town of Latta Well #1	<.01	<.01	<.02	<.01	<.05	21	0.04
AMB-006	Town of Latta Well #1	<0.010	<0.010	<0.020	<0.010	<0.050	21	0.043
AMB-007	Town of Johnsonville	<.01	<.01	<.02	<.01	<.05	22	0.02
AMB-007	Town of Johnsonville	<.01	<.01	0.03	<.01	<.05	23	0.03
AMB-007	Town of Johnsonville	<.01	<.01	<.02	<.01	<.05	20	0.02
AMB-007	Town of Johnsonville	<0.010	<0.010	<0.020	<0.010	<0.050	24	0.024
AMB-008	Mcleod Medical Center	<.01	<.01	<.02	0.01	<.05	37	0.08
AMB-008	Mcleod Medical Center	<.01	<.01	<.02	<.01	<.05	38	0.06
AMB-008	Mcleod Medical Center	<.01	<.01	<.02	<.01	<.05	35	0.06
AMB-009	Town of Olanta	<.01	<.01	<.02	<.01	<.05	36	0.11
AMB-009	Town of Olanta	<.01	<.01	<.02	<.01	<.05	39	0.11
AMB-009	Town of Olanta	<.01	<.01	<.02	<.01	<.05	29	0.1
AMB-009	Town of Olanta	<0.010	<0.010	<0.020	<0.010	<0.050	37	0.10
AMB-010	Town of Pamplico	<.01	<.01	<.02	<.01	<.05	35	0.02
AMB-010	Town of Pamplico	<.01	<.01	<.02	<.01	<.05	39	0.01
AMB-010	Town of Pamplico	<.01	<.01	<.02	<.01	<.05	37	0.01
AMB-010	Town of Pamplico	<0.010	<0.010	<0.020	<0.010	<0.050	28	<0.010
AMB-011	City of Andrews	<.01	<.01	<.02	0.01	<.05	14	0.04
AMB-011	City of Andrews	<.01	<.01	<.02	<.01	<.05	14	0.05
AMB-011	City of Andrews	<.01	<.01	<.02	<.01	<.05	14	0.03
AMB-012	Georgetown # 2	<.01	<.01	<.02	0.01	<.05	13	0.08
AMB-012	Georgetown # 2	<.01	<.01	<.02	0.01	<.05	14	0.08
AMB-012	Georgetown # 2	<.01	<.01	<.02	0.02	<.05	14	0.08
AMB-012	Georgetown # 2	<0.010	<0.010	<0.020	0.014	<0.050	12	0.10
AMB-013	Conway #6	<.01	<.01	<.02	0.01	<.05	14	0.08
AMB-013	Conway #6	<.01	<.01	0.04	<.01	<.05	9.8	0.05
AMB-013	Conway #6	<.01	<.01	<.02	0.02	<.05	9.3	0.19
AMB-014	Poplar St.	<.01	<.01	<.02	0.01	<.05	16	0.07
AMB-014	Poplar St.	<.01	<.01	<.02	<.01	<.05	15	0.06

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-001	City of Bamberg	<.02	0.15
AMB-001	City of Bamberg	<.02	0.11
AMB-001	City of Bamberg	<.02	ND
AMB-001	City of Bamberg	<.02	ND
AMB-002	Town of Williston	<.02	ND
AMB-002	Town of Williston	<.02	ND
AMB-002	Town of Williston	<.02	ND
AMB-002	Town of Williston	0.34	
AMB-003	Town of Elloree	<.02	0.11
AMB-003	Town of Elloree	<.02	ND
AMB-003	Town of Elloree	<.02	ND
AMB-003	Town of Elloree	<.02	<.1
AMB-004	Town of Bowman	<.02	0.15
AMB-004	Town of Bowman	<.02	0.14
AMB-004	Town of Bowman	<.02	ND
AMB-004	Town of Bowman	<.02	ND
AMB-005	Town of Lake View	<.02	0.14
AMB-006	Town of Latta Well #1	<.02	0.28
AMB-006	Town of Latta Well #1	<.02	1.75
AMB-006	Town of Latta Well #1		0.41
AMB-006	Town of Latta Well #1	<0.020	0.33
AMB-007	Town of Johnsonville	<.02	0.34
AMB-007	Town of Johnsonville	<.02	0.7
AMB-007	Town of Johnsonville	<.02	0.2
AMB-007	Town of Johnsonville	<0.020	0.35
AMB-008	Mcleod Medical Center	<.02	0.10
AMB-008	Mcleod Medical Center	<.02	0.34
AMB-008	Mcleod Medical Center	0.6	ND
AMB-009	Town of Olanta	<.02	0.26
AMB-009	Town of Olanta	<.02	0.13
AMB-009	Town of Olanta	<.02	0.2
AMB-009	Town of Olanta	<0.020	0.37
AMB-010	Town of Pamplico	<.02	0.30
AMB-010	Town of Pamplico	<.02	1.5
AMB-010	Town of Pamplico	<.02	0.16
AMB-010	Town of Pamplico	<0.020	0.36
AMB-011	City of Andrews	<.02	0.34
AMB-011	City of Andrews	<.02	ND
AMB-011	City of Andrews	<.02	0.26
AMB-012	Georgetown # 2	<.02	0.26
AMB-012	Georgetown # 2	<.02	0.28
AMB-012	Georgetown # 2	<.02	0.39
AMB-012	Georgetown # 2	0.021	0.60
AMB-013	Conway #6	<.02	0.42
AMB-013	Conway #6	0.08	0.52
AMB-013	Conway #6		0.4
AMB-014	Poplar St.	<.02	0.38
AMB-014	Poplar St.	<.02	0.87

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-014	Poplar St.	33.6135028	-78.97815	Horry	Pee Dee
AMB-015	MyrtleWood	33.7265444	-78.8791694	Horry	Pee Dee
AMB-015	MyrtleWood	33.7265444	-78.8791694	Horry	Pee Dee
AMB-016	Longs #2	33.9570667	-78.7375361	Horry	Pee Dee
AMB-016	Longs #2	33.9570667	-78.7375361	Horry	Pee Dee
AMB-016	Longs #2	33.9570667	-78.7375361	Horry	Pee Dee
AMB-017	Town of Mullins	34.1937194	-79.2563111	Marion	Pee Dee
AMB-017	Town of Mullins	34.1937194	-79.2563111	Marion	Pee Dee
AMB-017	Town of Mullins	34.1937194	-79.2563111	Marion	Pee Dee
AMB-018	Oakland Plantation	33.9870833	-80.4954389	Sumter	Catawba
AMB-018	Oakland Plantation	33.9870833	-80.4954389	Sumter	Catawba
AMB-018	Oakland Plantation	33.9870833	-80.4954389	Sumter	Catawba
AMB-018	Oakland Plantation	33.9870833	-80.4954389	Sumter	Catawba
AMB-019	Institute	34.080875	-80.5877028	Sumter	Catawba
AMB-019	Institute	34.080875	-80.5877028	Sumter	Catawba
AMB-019	Institute	34.080875	-80.5877028	Sumter	Catawba
AMB-019	Institute	34.080875	-80.5877028	Sumter	Catawba
AMB-020	Town of Kingstree	33.6586111	-79.8192389	Williamsburg	Pee Dee
AMB-020	Town of Kingstree	33.6586111	-79.8192389	Williamsburg	Pee Dee
AMB-020	Town of Kingstree	33.6586111	-79.8192389	Williamsburg	Pee Dee
AMB-020	Town of Kingstree	33.6586111	-79.8192389	Williamsburg	Pee Dee
AMB-021	St. Stephens	33.4054083	-79.9255833	Berkeley	Catawba
AMB-021	St. Stephens	33.4054083	-79.9255833	Berkeley	Catawba
AMB-021	St. Stephens	33.4054083	-79.9255833	Berkeley	Catawba
AMB-021	St. Stephens	33.4054083	-79.9255833	Berkeley	Catawba
AMB-022	Town of Summerville	32.9838028	-80.2183889	Dorchester	Catawba
AMB-022	Town of Summerville	32.9838028	-80.2183889	Dorchester	Catawba
AMB-022	Town of Summerville	32.9838028	-80.2183889	Dorchester	Catawba
AMB-022	Town of Summerville	32.9838028	-80.2183889	Dorchester	Catawba
AMB-023	Cainhoy High School	33.0210444	-79.8524306	Berkeley	Catawba
AMB-023	Cainhoy High School	33.0210444	-79.8524306	Berkeley	Catawba
AMB-023	Cainhoy High School	33.0210444	-79.8524306	Berkeley	Catawba
AMB-023	Cainhoy High School	33.0210444	-79.8524306	Berkeley	Catawba
AMB-024	Corner-Santee Cooper	33.2021306	-79.9816778	Berkeley	Catawba
AMB-024	Corner-Santee Cooper	33.2021306	-79.9816778	Berkeley	Catawba
AMB-024	Corner-Santee Cooper	33.2021306	-79.9816778	Berkeley	Catawba
AMB-024	Corner-Santee Cooper	33.2021306	-79.9816778	Berkeley	Catawba
AMB-025	Town of St. Matthews	33.6649222	-80.7743528	Calhoun	Catawba
AMB-025	Town of St. Matthews	33.6649222	-80.7743528	Calhoun	Catawba
AMB-025	Town of St. Matthews	33.6649222	-80.7743528	Calhoun	Catawba
AMB-025	Town of St. Matthews	33.6649222	-80.7743528	Calhoun	Catawba
AMB-026	Town of Wagner	33.648725	-81.3557222	Aiken	Saluda-Edisto
AMB-026	Town of Wagner	33.648725	-81.3557222	Aiken	Saluda-Edisto
AMB-027	City of North Augusta	33.5139583	-81.9414444	Aiken	Sav-Salk
AMB-028	Montmorenci Couchton	33.5803194	-81.6751944	Aiken	Saluda-Edisto
AMB-028	Montmorenci Couchton	33.5803194	-81.6751944	Aiken	Saluda-Edisto
AMB-028	Montmorenci Couchton	33.5803194	-81.6751944	Aiken	Saluda-Edisto
AMB-028	Montmorenci Couchton	33.5803194	-81.6751944	Aiken	Saluda-Edisto

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-014	Poplar St.	Black Creek	01-Jul-99	8.7	985	730	8
AMB-015	MyrtleWood	Black Creek	01-May-89	7.6	261	160	66
AMB-015	MyrtleWood	Black Creek	01-Jul-94	8.1	775	430	77
AMB-016	Longs #2	Black Creek	01-May-89	8.5	1550	870	17
AMB-016	Longs #2	Black Creek	01-Jul-94	8.3	2360	1300	30
AMB-016	Longs #2	Black Creek	01-Jul-99	8.2	2338	1300	51
AMB-017	Town of Mullins	Black Creek	01-May-89	7.7	248	170	6
AMB-017	Town of Mullins	Black Creek	01-Jul-94	7.7	248	180	6
AMB-017	Town of Mullins	Black Creek	01-Jul-99	7.3	193	140	15
AMB-018	Oakland Plantation	Black Creek	01-May-89	4.1	29	28	3
AMB-018	Oakland Plantation	Black Creek	01-Jul-94	4.9	24	10	2
AMB-018	Oakland Plantation	Black Creek	01-Jul-99	4.8	21.5	24	2
AMB-018	Oakland Plantation	Black Creek	01-May-02	6.2	66.8	42	14
AMB-019	Institute	Black Creek	01-May-89	5.0	42	58	5
AMB-019	Institute	Black Creek	01-Jul-94	4.3	38	14	2
AMB-019	Institute	Black Creek	01-Jul-99	4.2	45.1	28	3
AMB-019	Institute	Black Creek	01-May-02	7.6	155	100	61
AMB-020	Town of Kingstree	Black Creek	01-May-89	8.3	339	230	6
AMB-020	Town of Kingstree	Black Creek	01-Jul-94	8.9	394	230	6
AMB-020	Town of Kingstree	Black Creek	01-Jul-99	8.8	390	240	6
AMB-020	Town of Kingstree	Black Creek	01-Jan-03	8.0	569	320	7.8
AMB-021	St. Stephens	Middendorf	01-May-89	8.3	450	320	4
AMB-021	St. Stephens	Middendorf	01-Jul-94	9.0	578	320	4
AMB-021	St. Stephens	Middendorf	01-Jul-99	8.7	567	340	4
AMB-021	St. Stephens	Middendorf	01-May-02	8.9	586	320	3.9
AMB-022	Town of Summerville	Middendorf	01-May-89	8.5	1050	570	2
AMB-022	Town of Summerville	Middendorf	01-Jul-94	8.9	983	530	3
AMB-022	Town of Summerville	Middendorf	01-Jul-99	8.8	960	590	2
AMB-022	Town of Summerville	Middendorf	01-May-02	8.8	938	560	2.6
AMB-023	Cainhoy High School	Black Mingo	01-May-89	7.7	483	310	100
AMB-023	Cainhoy High School	Black Mingo	01-Jul-94	7.9	513	280	110
AMB-023	Cainhoy High School	Black Mingo	01-Jul-99	7.8	520	290	110
AMB-023	Cainhoy High School	Black Mingo	01-May-02	8	538	310	86
AMB-024	Corner-Santee Cooper	Black Mingo	01-May-89	7.5	480	340	120
AMB-024	Corner-Santee Cooper	Black Mingo	01-Jul-94	8.1	597	320	130
AMB-024	Corner-Santee Cooper	Black Mingo	01-Jul-99	7.8	628	380	120
AMB-024	Corner-Santee Cooper	Black Mingo	01-May-02	7.9	647	360	120
AMB-025	Town of St. Matthews	Black Mingo	01-May-88	6.7	132	100	61
AMB-025	Town of St. Matthews	Black Mingo	01-May-93	6.8	149	100	64
AMB-025	Town of St. Matthews	Black Mingo	01-May-98	7.0	137	86	61
AMB-025	Town of St. Matthews	Black Mingo	01-May-02	6.6	122	76	45
AMB-026	Town of Wagner	Middendorf	01-May-88	5.3	14	20	2.0
AMB-026	Town of Wagner	Middendorf	01-May-93	5.6	15	12	3.0
AMB-027	City of North Augusta	Middendorf	01-May-88	5.5	27	18	5.0
AMB-028	Montmorenci Couchton	Middendorf	01-May-88	5.4	21	16	3.0
AMB-028	Montmorenci Couchton	Middendorf	01-May-93	5.4	35	24	4.0
AMB-028	Montmorenci Couchton	Middendorf	01-May-98	5.4		24	3
AMB-028	Montmorenci Couchton	Middendorf	15-May-01	5.5	19.2	12	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-014	Poplar St.	<2	25.6	0.72	6.84 <5		0	0
AMB-015	MyrtleWood	8.2	12.9	0.36	16.9 58		1.21	56.81
AMB-015	MyrtleWood	7.1	85.8	2.42	34.18 27		0.56	7.91
AMB-016	Longs #2	1.7	210	5.92	44.78 18		0.37	2.8
AMB-016	Longs #2	11.3	673	18.96	69.4 26		0.54	1.98
AMB-016	Longs #2	<2	514	14.48	62.68 59		1.23	5.32
AMB-017	Town of Mullins	2.0	12.1	0.34	16.67 <10		0	0
AMB-017	Town of Mullins	3.1	13.7	0.39	18.66 <5		0	0
AMB-017	Town of Mullins	<2	9.4	0.26	14.86 5		0.1	5.71
AMB-018	Oakland Plantation	<1	2.5	0.07	50 <10		0	0
AMB-018	Oakland Plantation	2.8	2.6	0.07	70 <5		0	0
AMB-018	Oakland Plantation	<2	2.5	0.07	100 <5		0	0
AMB-018	Oakland Plantation	<2	3.4	0.1	21.74 <5		0	0
AMB-019	Institute	<1	4.5	0.13	81.25 <10		0	0
AMB-019	Institute	1.4	2.7	0.08	100 <5		0	0
AMB-019	Institute	<2	3.2	0.09	42.86 6		0.12	57.14
AMB-019	Institute	<2	5.4	0.15	12.61 5.6		0.12	10.08
AMB-020	Town of Kingstree	<1	3.8	0.11	3.29 11		0.23	6.89
AMB-020	Town of Kingstree	4.8	18.7	0.53	15.06 14		0.29	8.24
AMB-020	Town of Kingstree	<2	3.7	0.1	3.09 6		0.12	3.7
AMB-020	Town of Kingstree	28	56	1.58	31.92 28		0.58	11.72
AMB-021	St. Stephens	<1	13.2	0.37	7.74 <10		0	0
AMB-021	St. Stephens	7.9	11	0.31	6.16 <5		0	0
AMB-021	St. Stephens	<2	10.8	0.3	5.86 5		0.1	1.95
AMB-021	St. Stephens	<2	11	0.31	5.98 5.6		0.12	2.32
AMB-022	Town of Summerville	1.0	20	0.56	6.39 <10		0	0
AMB-022	Town of Summerville	8.3	19	0.54	6.18 <5		0	0
AMB-022	Town of Summerville	<2	17.1	0.48	5.44 7		0.15	1.7
AMB-022	Town of Summerville	<2	16	0.45	4.93 7.1		0.15	1.64
AMB-023	Cainhoy High School	1.0	17.8	0.5	10.78 10		0.21	4.53
AMB-023	Cainhoy High School	6.3	19.1	0.54	11.59 7		0.15	3.22
AMB-023	Cainhoy High School	2.4	17.2	0.48	10.15 7		0.15	3.17
AMB-023	Cainhoy High School	<2	22	0.62	13.14 8.1		0.17	3.6
AMB-024	Corner-Santee Cooper	1.0	24.6	0.69	12.83 12		0.25	4.65
AMB-024	Corner-Santee Cooper	4.3	26.3	0.74	14.1 <5		0	0
AMB-024	Corner-Santee Cooper	<2	26.2	0.74	12.46 7		0.15	2.53
AMB-024	Corner-Santee Cooper	<2	27	0.76	12.36 6.7		0.14	2.28
AMB-025	Town of St. Matthews	<1	8.5	0.24	22.64 <10		0	0
AMB-025	Town of St. Matthews	4.8	9.0	0.25	23.36 <10		0	0
AMB-025	Town of St. Matthews	<2	7	0.2	20.2 <5		0	0
AMB-025	Town of St. Matthews	<2	6.1	0.17				
AMB-026	Town of Wagner	<1	1.5	0.04	57.14 <10		0	0
AMB-026	Town of Wagner	2	1.4	0.04	36.36 <10		0	0
AMB-027	City of North Augusta	<1	2.5	0.07	58.33 <10		0	0
AMB-028	Montmorenci Couchton	<1	2.5	0.07	58.33 <10		0	0
AMB-028	Montmorenci Couchton	1.7	1.8	0.05	50 <10		0	0
AMB-028	Montmorenci Couchton	<2	1.7	0.05	100 <5		0	0
AMB-028	Montmorenci Couchton	<2	2.1	0.06	75 <5		0	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-014	Poplar St.	598	9.8	93.16	2.2	0.11	1.36	0.5
AMB-015	MyrtleWood	34	0.56	26.29	24	1.2	51.72	1.50
AMB-015	MyrtleWood	250	4.1	57.91	26	1.3	16.82	2.90
AMB-016	Longs #2	423	6.93	52.42	3.5	0.17	1.11	2.10
AMB-016	Longs #2	477	7.82	28.62	6.2	0.31	1.48	3.60
AMB-016	Longs #2	451	7.39	31.99	12	0.6	2.8	5.2
AMB-017	Town of Mullins	104	1.7	83.33	1.4	0.07	2.99	0.61
AMB-017	Town of Mullins	104	1.7	81.34	1.4	0.07	2.65	0.64
AMB-017	Town of Mullins	85	1.39	79.43	3.8	0.19	9.55	1.4
AMB-018	Oakland Plantation	4	0.07	50	0.55	0.03	21.43	0.35
AMB-018	Oakland Plantation	2.0	0.03	30	0.42	0.02	13.33	0.30
AMB-018	Oakland Plantation	<1	0	0	0.41	0.02	16.67	0.29
AMB-018	Oakland Plantation	22	0.36	78.26	4.8	0.24	57.14	0.44
AMB-019	Institute	2	0.03	18.75	1.1	0.05	20	0.54
AMB-019	Institute	0	0	0	0.33	0.02	15.38	0.26
AMB-019	Institute	0	0	0	0.37	0.02	10.53	0.44
AMB-019	Institute	56	0.92	77.31	23.0	1.15	80.42	0.94
AMB-020	Town of Kingstree	183	3	89.82	1.9	0.09	2.28	0.30
AMB-020	Town of Kingstree	165	2.7	76.7	2	0.1	2.54	0.26
AMB-020	Town of Kingstree	184	3.02	93.21	2	0.1	2.29	0.37
AMB-020	Town of Kingstree	170	2.79	56.36	2.3	0.11	1.53	0.49
AMB-021	St. Stephens	269	4.41	92.26	1.5	0.07	1.22	0.18
AMB-021	St. Stephens	288	4.72	93.84	1.4	0.07	1.13	0.17
AMB-021	St. Stephens	288	4.72	92.19	1.2	0.06	1.13	0.19
AMB-021	St. Stephens	290	4.75	91.7	1.3	0.06	0.97	0.16
AMB-022	Town of Summerville	500	8.2	93.61	0.73	0.04	0.37	0.11
AMB-022	Town of Summerville	500	8.2	93.82	0.74	0.04	0.36	0.16
AMB-022	Town of Summerville	500	8.2	92.87	0.73	0.04	0.48	0.18
AMB-022	Town of Summerville	520	8.52	93.42	0.8	0.04	0.38	0.18
AMB-023	Cainhoy High School	240	3.93	84.7	16	0.8	14.6	15
AMB-023	Cainhoy High School	242	3.97	85.19	16	0.8	14.44	16
AMB-023	Cainhoy High School	250	4.1	86.68	16	0.8	13.31	17
AMB-023	Cainhoy High School	240	3.93	83.26	13.0	0.65	11.55	13
AMB-024	Corner-Santee Cooper	271	4.44	82.53	20	1	16.56	18
AMB-024	Corner-Santee Cooper	275	4.51	85.9	21	1.05	16.43	20
AMB-024	Corner-Santee Cooper	308	5.05	85.02	17	0.85	12.88	20
AMB-024	Corner-Santee Cooper	320	5.25	85.37	18.0	0.9	13.24	18
AMB-025	Town of St. Matthews	50	0.82	77.36	23	1.15	74.19	0.90
AMB-025	Town of St. Matthews	50	0.82	76.64	24	1.2	81.63	0.93
AMB-025	Town of St. Matthews	48	0.79	79.8	23	1.15	82.14	0.91
AMB-025	Town of St. Matthews	34	0.56		17.0	0.85	56.67	0.55
AMB-026	Town of Wagner	2.0	0.03	42.86	0.36	0.02	25	0.16
AMB-026	Town of Wagner	4	0.07	63.64	0.84	0.04	40	0.18
AMB-027	City of North Augusta	3	0.05	41.67	0.98	0.05	25	0.55
AMB-028	Montmorenci Couchton	3	0.05	41.67	0.69	0.03	25	0.30
AMB-028	Montmorenci Couchton	3	0.05	50	0.89	0.04	28.57	0.36
AMB-028	Montmorenci Couchton	<1	0	0	0.6	0.03	27.27	0.3
AMB-028	Montmorenci Couchton	1.1	0.02	25	0.64	0.03	27.27	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-014	Poplar St.	0.5	0.04	180	7.83	3	0.08	98.14
AMB-015	MyrtleWood	5.17	0.12	23	1 <1		0	43.1
AMB-015	MyrtleWood	3.1	0.24	140	6.09	4	0.1	80.08
AMB-016	Longs #2	1.11	0.17	340	14.78	9	0.23	97.79
AMB-016	Longs #2	1.43	0.3	460	20	12	0.31	97.08
AMB-016	Longs #2	2.01	0.43	460	20	16	0.41	95.2
AMB-017	Town of Mullins	2.14	0.05	51	2.22	<1	0	94.87
AMB-017	Town of Mullins	1.89	0.05	55	2.39	5	0.13	95.45
AMB-017	Town of Mullins	6.03	0.12	34	1.48	8	0.2	84.42
AMB-018	Oakland Plantation	21.43	0.03	1.9	0.08	<1	0	57.14
AMB-018	Oakland Plantation	13.33	0.02	1.8	0.08	1	0.03	73.33
AMB-018	Oakland Plantation	16.67	0.02	1.8	0.08	<1	0	66.67
AMB-018	Oakland Plantation	9.52	0.04	2.2	0.1	1.4	0.04	33.33
AMB-019	Institute	16	0.04	3.6	0.16	<1	0	64
AMB-019	Institute	15.38	0.02	2	0.09	<1	0	69.23
AMB-019	Institute	21.05	0.04	3.1	0.13	<1	0	68.42
AMB-019	Institute	5.59	0.08	3.6	0.16	1.4	0.04	13.99
AMB-020	Town of Kingstree	0.51	0.02	88	3.83	<1	0	97.21
AMB-020	Town of Kingstree	0.51	0.02	86	3.74	3	0.08	96.95
AMB-020	Town of Kingstree	0.69	0.03	95	4.13	4	0.1	97.02
AMB-020	Town of Kingstree	0.56	0.04	160	6.96	2.8	0.07	97.91
AMB-021	St. Stephens	0.17	0.01	130	5.65	<1	0	98.6
AMB-021	St. Stephens	0.16	0.01	140	6.09	1	0.03	98.71
AMB-021	St. Stephens	0.38	0.02	120	5.22	1	0.03	98.5
AMB-021	St. Stephens	0.16	0.01	140	6.09	1.3	0.03	98.87
AMB-022	Town of Summerville	0.09	0.01	250	10.87	<1	0	99.54
AMB-022	Town of Summerville	0.09	0.01	250	10.87	2	0.05	99.54
AMB-022	Town of Summerville	0.12	0.01	190	8.26	2	0.05	99.4
AMB-022	Town of Summerville	0.09	0.01	240	10.43	2.1	0.05	99.53
AMB-023	Cainhoy High School	22.45	1.23	71	3.09	14	0.36	62.96
AMB-023	Cainhoy High School	23.83	1.32	70	3.04	15	0.38	61.73
AMB-023	Cainhoy High School	23.29	1.4	77	3.35	18	0.46	63.39
AMB-023	Cainhoy High School	19.01	1.07	80	3.48	17	0.43	69.45
AMB-024	Corner-Santee Cooper	24.5	1.48	72	3.13	17	0.43	58.94
AMB-024	Corner-Santee Cooper	25.82	1.65	75	3.26	17	0.43	57.75
AMB-024	Corner-Santee Cooper	25	1.65	83	3.61	19	0.49	62.12
AMB-024	Corner-Santee Cooper	21.76	1.48	90	3.91	20	0.51	65
AMB-025	Town of St. Matthews	4.52	0.07	7.7	0.33	<1	0	21.29
AMB-025	Town of St. Matthews	5.44	0.08	3.6	0.16	1	0.03	12.93
AMB-025	Town of St. Matthews	5	0.07	3.1	0.13	2	0.05	12.86
AMB-025	Town of St. Matthews	3.33	0.05	13	0.57	1	0.03	40
AMB-026	Town of Wagner	12.5	0.01	1.1	0.05	<1	0	62.5
AMB-026	Town of Wagner	10	0.01	1.1	0.05	<1	0	50
AMB-027	City of North Augusta	25	0.05	2.2	0.1	<1	0	50
AMB-028	Montmorenci Couchton	16.67	0.02	1.7	0.07	<1	0	58.33
AMB-028	Montmorenci Couchton	21.43	0.03	1.6	0.07	<1	0	50
AMB-028	Montmorenci Couchton	18.18	0.02	1.4	0.06	<1	0	54.55
AMB-028	Montmorenci Couchton	0	0	1.8	0.08	<1	0	72.73

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-014	Poplar St.	3.46	<.005	<.05	<.01	0.19	<.05
AMB-015	MyrtleWood	1.06	<.005	<.05	0.01	0.60	<.05
AMB-015	MyrtleWood	1.54	<.005	<.05	<.01	1.40	<.05
AMB-016	Longs #2	3.80	<.005	<.05	<.01	0.01	<.05
AMB-016	Longs #2	1.83	<.005	<.05	<.01	<.03	<.05
AMB-016	Longs #2	1.85	<.005	<.05	<.01	0.22	<.05
AMB-017	Town of Mullins	0.66	<.005	<.05	<.01	0.22	<.05
AMB-017	Town of Mullins	0.65	<.005	<.05	<.01	0.06	<.05
AMB-017	Town of Mullins	0.5	<.005	<.05	<.01	0.16	<.05
AMB-018	Oakland Plantation	<0.1	<.005	0.05	<.01	0.85	<.05
AMB-018	Oakland Plantation	0.10	<.005	<.05	0.02	0.26	<.05
AMB-018	Oakland Plantation	<.1	<.005	<.05	0.01	0.4	<.05
AMB-018	Oakland Plantation	<0.1	<.005	<.06	<.01	1.8	<.05
AMB-019	Institute	<0.1	<.005	0.07	0.01	0.02	<.05
AMB-019	Institute	0.11	<.005	<.05	0.02	0.02	<.05
AMB-019	Institute	<.1	<.005	<.05	<.01	0.05	<.05
AMB-019	Institute	<0.1	<.005	0.082	0.016	0.097	<.05
AMB-020	Town of Kingstree	2.10	<.005	<.05	<.01	<.01	<.05
AMB-020	Town of Kingstree	1.37	<.005	<.05	<.01	0.03	<.05
AMB-020	Town of Kingstree	2.42	<.005	<.05	<.01	<.02	<.05
AMB-020	Town of Kingstree	<0.10	<.00050	<.0050	<.0010	0.094	<.0050
AMB-021	St. Stephens	1.52	<.005	<.05	<.01	<.01	<.05
AMB-021	St. Stephens	1.25	<.005	<.05	<.01	0.04	<.05
AMB-021	St. Stephens	1.52	<.005	<.05	<.01	<.02	<.05
AMB-021	St. Stephens	1.4	<.005	<.05	<.01	<.02	<.05
AMB-022	Town of Summerville	2.80	<.005	<.05	<.01	<.01	<.05
AMB-022	Town of Summerville	4.0	<.005	<.05	<.01	<.02	<.05
AMB-022	Town of Summerville	3.16	<.005	<.05	<.01	0.1	<.05
AMB-022	Town of Summerville	2.6	<.005	<.05	<.01	<.02	<.05
AMB-023	Cainhoy High School	1.02	<.005	<.05	<.01	0.02	<.05
AMB-023	Cainhoy High School	0.94	<.005	<.05	<.01	0.08	<.05
AMB-023	Cainhoy High School	1.08	<.005	<.05	0.02	0.03	<.05
AMB-023	Cainhoy High School	1	<.005	<.05	<.01	.33	<.05
AMB-024	Corner-Santee Cooper	0.98	<.005	<.05	<.01	0.03	<.05
AMB-024	Corner-Santee Cooper	0.70	<.005	<.05	<.01	0.03	<.05
AMB-024	Corner-Santee Cooper	0.67	<.005	<.05	<.01	0.12	<.05
AMB-024	Corner-Santee Cooper	0.76	<.005	<.05	<.01	0.25	<.05
AMB-025	Town of St. Matthews	3	<.005	<.05	<.05	<.05	<.05
AMB-025	Town of St. Matthews	<0.1	<.005	<.05	<.05	<.05	<.05
AMB-025	Town of St. Matthews		<.005	<.05	<.01	<.02	<.05
AMB-025	Town of St. Matthews		<.005	<.05	<.01	<.02	<.05
AMB-026	Town of Wagner	<0.1	<.005	<.05	<.05	<.05	<.05
AMB-026	Town of Wagner		<.005			0.03	
AMB-027	City of North Augusta	<0.1	<.005	<.05	<.05	0.09	<.05
AMB-028	Montmorenci Couchton	<0.1	<.005	<.05	<.05	0.55	<.05
AMB-028	Montmorenci Couchton		<.005		0.01	0.02	
AMB-028	Montmorenci Couchton	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-028	Montmorenci Couchton	<.1	<.005	<.05	0.018	0.046	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-014	Poplar St.	<.01	0.03	<.1	<.003	2.1	<.02
AMB-015	MyrtleWood	0.04	<.01	0.33	<.001	0.03	<.02
AMB-015	MyrtleWood	0.13	0.03	0.20	<.003	0.38	<.02
AMB-016	Longs #2	<.01	<.01	<.05	<.001	2.60	<.02
AMB-016	Longs #2	<.01	<.01	<.05	<.003	2.90	<.02
AMB-016	Longs #2	0.04	0.06	<.1	<.003	3.4	<.02
AMB-017	Town of Mullins	0.01	<.01	<.05	<.001	0.17	<.02
AMB-017	Town of Mullins	0.01	<.01	<.05	<.003	0.18	<.02
AMB-017	Town of Mullins	0.02	0.01	<.1	<.003	0.11	<.02
AMB-018	Oakland Plantation	0.02	0.01	0.09	<.001	<.02	<.02
AMB-018	Oakland Plantation	0.01	0.02	<.05	<.003	0.01	<.02
AMB-018	Oakland Plantation	<.01	0.02	<.1	<.003	<.1	<.02
AMB-018	Oakland Plantation	0.028	0.49	<.1	<.003	<.1	<.02
AMB-019	Institute	0.01	0.03	0.19	<.001	<.02	<.02
AMB-019	Institute	0.01	0.08	0.18	<.003	0.01	<.02
AMB-019	Institute	<.01	0.02	220	<.003	<.1	<.02
AMB-019	Institute	0.023	0.016	0.28	<.003	<.1	<.02
AMB-020	Town of Kingstree	<.01	<.01	<.05	<.001	0.56	<.02
AMB-020	Town of Kingstree	<.01	<.01	<.05	<.003	0.47	<.02
AMB-020	Town of Kingstree	<.01	<.01	<.1	<.003	0.64	<.02
AMB-020	Town of Kingstree	<0.010	<0.010	<.10	<.00030	1.0	<0.020
AMB-021	St. Stephens	<.01	<.01	<.05	<.001	<.05	<.02
AMB-021	St. Stephens	<.01	<.01	<.05	<.003	1.2	<.02
AMB-021	St. Stephens	<.01	<.01	<.1	<.003	1.2	<.02
AMB-021	St. Stephens	<.01	<.01	<.1	<.003	1.2	<.02
AMB-022	Town of Summerville	<.01	<.01	<.05	<.001	1.9	<.02
AMB-022	Town of Summerville	<.01	<.01	<.05	<.003	1.0	<.02
AMB-022	Town of Summerville	0.01	<.01	<.1	<.003	1.9	<.02
AMB-022	Town of Summerville	<.01	<.01	<.05	<.003	1.9	<.02
AMB-023	Cainhoy High School	<.01	<.01	<.05	<.001	0.18	<.02
AMB-023	Cainhoy High School	<.01	<.01	<.05	<.003	0.17	<.02
AMB-023	Cainhoy High School	<.01	0.02	<.1	<.003	0.19	<.02
AMB-023	Cainhoy High School	<.01	0.016	<.05	<.003	0.22	<.02
AMB-024	Corner-Santee Cooper	<.01	<.01	<.05	<.001	0.18	<.02
AMB-024	Corner-Santee Cooper	<.01	<.01	<.05	<.003	0.18	<.02
AMB-024	Corner-Santee Cooper	<.01	<.01	<.1	<.003	0.21	<.02
AMB-024	Corner-Santee Cooper	<.01	0.011	<.1	<.003	0.2	<.02
AMB-025	Town of St. Matthews	<.05	<.05	<.05	<.001	<.05	<.05
AMB-025	Town of St. Matthews	<.05	<.05	<.05	<.001	<.05	<.05
AMB-025	Town of St. Matthews	<.01	<.01	<.1	<.003	<.03	<.02
AMB-025	Town of St. Matthews	<.01	<.01	<.1	<.003	<.1	<.02
AMB-026	Town of Wagner	<.05	<.05	<.05	<.001	<.05	<.05
AMB-026	Town of Wagner		0.11				
AMB-027	City of North Augusta	<.05	<.05	<.05	<.001	<.05	<.05
AMB-028	Montmorenci Couchton	<.05	<.05	0.11	<.001	<.05	<.05
AMB-028	Montmorenci Couchton						
AMB-028	Montmorenci Couchton	<.01	<.01	<.1	<.003	<.03	<.02
AMB-028	Montmorenci Couchton	<.01	<.01	<.1	<.003	<.1	<.02

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-014	Poplar St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-015	MyrtleWood	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-015	MyrtleWood	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-016	Longs #2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-016	Longs #2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-016	Longs #2	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-017	Town of Mullins	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-017	Town of Mullins	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-017	Town of Mullins	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-018	Oakland Plantation	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-018	Oakland Plantation	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-018	Oakland Plantation	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-018	Oakland Plantation	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-019	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-019	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-019	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-019	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-020	Town of Kingstree	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-020	Town of Kingstree	<.0002	.05	<.005	<.03	<.5	<.15
AMB-020	Town of Kingstree	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-020	Town of Kingstree	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-021	St. Stephens	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-021	St. Stephens	<.0002	.04	<.005	<.03	<.5	<.15
AMB-021	St. Stephens	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-021	St. Stephens	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-022	Town of Summerville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-022	Town of Summerville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-022	Town of Summerville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-022	Town of Summerville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-023	Cainhoy High School	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-023	Cainhoy High School	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-023	Cainhoy High School	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-023	Cainhoy High School	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-024	Corner-Santee Cooper	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-024	Corner-Santee Cooper	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-024	Corner-Santee Cooper	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-024	Corner-Santee Cooper	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-025	Town of St. Matthews	<.0002	<.02	<.005	<.05	<1	<.05
AMB-025	Town of St. Matthews	<.0002	<.02	<.005	<.05	<.5	<.15
AMB-025	Town of St. Matthews	<.0002	<.02	<.005	<.03	<.5	0.17
AMB-025	Town of St. Matthews	<.0002	<.02	<.005	<.03	<.5	1.17
AMB-026	Town of Wagner	<.0002	<.02	<.005	<.05	<1	<.05
AMB-026	Town of Wagner						
AMB-027	City of North Augusta	<.0002	<.02	<.005	<.05	<1	<.05
AMB-028	Montmorenci Couchton	<.0002	<.02	<.005	<.05	<1	<.05
AMB-028	Montmorenci Couchton						
AMB-028	Montmorenci Couchton	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-028	Montmorenci Couchton	<.0002	<.02	<.002	<.03	<.5	<.15

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-014	Poplar St.	<.01	<.01	<.02	0.01	<.05	13	0.06
AMB-015	MyrtleWood	<.01	<.01	<.02	0.01	<.05	4.4	0.07
AMB-015	MyrtleWood	<.01	<.01	<.02	<.01	<.05	5.8	0.18
AMB-016	Longs #2	<.01	<.01	<.02	0.01	<.05	12	0.17
AMB-016	Longs #2	<.01	<.01	0.02	0.02	<.05	12	0.34
AMB-016	Longs #2	<.01	<.01	<.02	0.03	<.05	12	0.43
AMB-017	Town of Mullins	<.01	<.01	<.02	<.01	<.05	39	0.04
AMB-017	Town of Mullins	<.01	<.01	<.02	<.01	<.05	42	0.04
AMB-017	Town of Mullins	<.01	<.01	<.02	<.01	<.05	45	0.07
AMB-018	Oakland Plantation	<.01	<.01	<.02	<.01	<.05	11	0.01
AMB-018	Oakland Plantation	<.01	<.01	<.02	<.01	<.05	5.3	0.01
AMB-018	Oakland Plantation	<.01	<.01	<.02	<.01	<.05	10	<.01
AMB-018	Oakland Plantation	<.01	<.01	<.02	<.01	<.05	12	<.01
AMB-019	Institute	<.01	<.01	<.02	0.01	<.05	9.1	0.01
AMB-019	Institute	<.01	<.01	<.02	<.01	<.05	4.4	0.01
AMB-019	Institute	<.01	<.01	<.02	<.01	<.05	8.9	<.01
AMB-019	Institute	<.01	<.01	<.02	<.01	<.05	10	0.022
AMB-020	Town of Kingstree	<.01	<.01	<.02	<.01	<.05	22	0.04
AMB-020	Town of Kingstree	<.01	<.01	0.02	<.01	<.05	23	0.04
AMB-020	Town of Kingstree	<.01	<.01	<.02	<.01	<.05	23	0.04
AMB-020	Town of Kingstree	<0.010	<0.010	<0.020	<0.010	<0.050	21	0.061
AMB-021	St. Stephens	<.01	<.01	<.02	<.01	<.05	14	0.04
AMB-021	St. Stephens	<.01	<.01	<.02	<.01	<.05	14	0.03
AMB-021	St. Stephens	<.01	10	<.02	<.01	<.05	13	0.03
AMB-021	St. Stephens	<.01	<.01	<.02	<.01	<.05	16	0.03
AMB-022	Town of Summerville	<.01	<.01	<.02	0.01	<.05	16	0.02
AMB-022	Town of Summerville	<.01	<.01	<.02	0.01	<.05	<.03	<.02
AMB-022	Town of Summerville	<.01	<.01	<.02	0.02	<.05	14	0.02
AMB-022	Town of Summerville	<.01	<.01	<.02	0.011	<.05	18	0.02
AMB-023	Cainhoy High School	<.01	0.01	<.02	0.01	<.05	34	0.24
AMB-023	Cainhoy High School	<.01	<.01	<.02	0.01	<.05	36	0.25
AMB-023	Cainhoy High School	<.01	<.01	<.02	0.02	<.05	34	0.23
AMB-023	Cainhoy High School	<.01	<.01	<.02	0.013	<.05	39	0.19
AMB-024	Corner-Santee Cooper	<.01	0.01	<.02	0.02	<.05	36	0.20
AMB-024	Corner-Santee Cooper	<.01	<.01	<.02	0.02	<.05	0.04	0.20
AMB-024	Corner-Santee Cooper	<.01	<.01	<.02	0.02	<.05	38	0.15
AMB-024	Corner-Santee Cooper	<.01	<.01	<.02	0.016	<.05	43	0.15
AMB-025	Town of St. Matthews	<.01	<.05	<.05	<.05	<.2	14	<.05
AMB-025	Town of St. Matthews	<.01	<.05	<.05	<.05	<.05		0.02
AMB-025	Town of St. Matthews	<.01	<.01	<.02	<.01	<.05	14	0.02
AMB-025	Town of St. Matthews	<.01	<.01	<.02	<.01	<.05	14	0.015
AMB-026	Town of Wagner	<.01	<.05	<.05	<.05	<.2	7.7	<.05
AMB-026	Town of Wagner							
AMB-027	City of North Augusta	<.01	<.05	<.05	<.05	<.2	5.7	<.05
AMB-028	Montmorenci Couchton	<.01	<.05	<.05	<.05	<.2	6.9	<.05
AMB-028	Montmorenci Couchton							
AMB-028	Montmorenci Couchton	<.01	<.01	<.02	<.01	<.05	7.3	<.01
AMB-028	Montmorenci Couchton	<.01	<.01	<.02	<.01	<.05	6.8	<.01

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-014	Poplar St.	<.02	0.36
AMB-015	MyrtleWood	0.59	0.42
AMB-015	MyrtleWood	<.02	1.01
AMB-016	Longs #2	<.02	0.70
AMB-016	Longs #2	<.02	0.89
AMB-016	Longs #2	<.02	0.9
AMB-017	Town of Mullins	<.02	0.20
AMB-017	Town of Mullins	<.02	0.55
AMB-017	Town of Mullins		ND
AMB-018	Oakland Plantation	0.28	ND
AMB-018	Oakland Plantation	0.17	ND
AMB-018	Oakland Plantation	0.21	ND
AMB-018	Oakland Plantation	0.1	<.2
AMB-019	Institute	1.24	ND
AMB-019	Institute	0.16	ND
AMB-019	Institute	0.62	ND
AMB-019	Institute	1.3	<.1
AMB-020	Town of Kingstree	<.02	0.38
AMB-020	Town of Kingstree	<.02	0.54
AMB-020	Town of Kingstree	<.02	0.16
AMB-020	Town of Kingstree	0.022	0.28
AMB-021	St. Stephens	<.02	0.44
AMB-021	St. Stephens	<.02	ND
AMB-021	St. Stephens	<.02	0.11
AMB-021	St. Stephens	<.02	0.14
AMB-022	Town of Summerville	<.02	1.22
AMB-022	Town of Summerville	<.02	0.22
AMB-022	Town of Summerville	<.02	0.36
AMB-022	Town of Summerville	<.03	0.35
AMB-023	Cainhoy High School	<.02	0.62
AMB-023	Cainhoy High School	<.02	0.49
AMB-023	Cainhoy High School	0.08	0.53
AMB-023	Cainhoy High School	0.037	0.21
AMB-024	Corner-Santee Cooper	<.02	1.18
AMB-024	Corner-Santee Cooper	<.02	0.25
AMB-024	Corner-Santee Cooper	<.02	0.33
AMB-024	Corner-Santee Cooper	<.02	0.37
AMB-025	Town of St. Matthews	2.20	0.13
AMB-025	Town of St. Matthews	1.99	ND
AMB-025	Town of St. Matthews	1.96	ND
AMB-025	Town of St. Matthews	2.9	<.1
AMB-026	Town of Wagner	<.02	ND
AMB-026	Town of Wagner		ND
AMB-027	City of North Augusta	1.36	ND
AMB-028	Montmorenci Couchton	0.87	ND
AMB-028	Montmorenci Couchton	0.74	
AMB-028	Montmorenci Couchton	0.46	ND
AMB-028	Montmorenci Couchton	0.70	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-029	Parris Island	32.3298417	-80.7078778	Beaufort	Sav-Salk
AMB-029	Parris Island	32.3298417	-80.7078778	Beaufort	Sav-Salk
AMB-029	Parris Island	32.3298417	-80.7078778	Beaufort	Sav-Salk
AMB-029	Parris Island	32.3298417	-80.7078778	Beaufort	Sav-Salk
AMB-030	Town of Patrick #1	34.5632861	-80.0312139	Chesterfield	Pee Dee
AMB-030	Town of Patrick #1	34.5632861	-80.0312139	Chesterfield	Pee Dee
AMB-030	Town of Patrick #1	34.5632861	-80.0312139	Chesterfield	Pee Dee
AMB-030	Town of Patrick #1	34.5632861	-80.0312139	Chesterfield	Pee Dee
AMB-031	City of Walterboro	32.9022972	-80.6589889	Collecton	Sav-Salk
AMB-031	City of Walterboro	32.9022972	-80.6589889	Collecton	Sav-Salk
AMB-031	City of Walterboro	32.9022972	-80.6589889	Collecton	Sav-Salk
AMB-032	St.	34.3074528	-79.8760806	Darlington	Pee Dee
AMB-032	St.	34.3074528	-79.8760806	Darlington	Pee Dee
AMB-032	St.	34.3074528	-79.8760806	Darlington	Pee Dee
AMB-032	St.	34.3074528	-79.8760806	Darlington	Pee Dee
AMB-033	City of Hartsville	34.3540778	-80.1164333	Darlington	Pee Dee
AMB-033	City of Hartsville	34.3540778	-80.1164333	Darlington	Pee Dee
AMB-033	City of Hartsville	34.3540778	-80.1164333	Darlington	Pee Dee
AMB-033	City of Hartsville	34.3540778	-80.1164333	Darlington	Pee Dee
AMB-034	Town of Timmonsville	34.1372278	-79.9384611	Florence	Pee Dee
AMB-034	Town of Timmonsville	34.1372278	-79.9384611	Florence	Pee Dee
AMB-034	Town of Timmonsville	34.1372278	-79.9384611	Florence	Pee Dee
AMB-034	Town of Timmonsville	34.1372278	-79.9384611	Florence	Pee Dee
AMB-035	Ballard St.	34.19695	-79.7517833	Florence	Pee Dee
AMB-035	Ballard St.	34.19695	-79.7517833	Florence	Pee Dee
AMB-035	Ballard St.	34.19695	-79.7517833	Florence	Pee Dee
AMB-036	City of Elgin	34.175375	-80.7715889	Kershaw	Catawba
AMB-036	City of Elgin	34.175375	-80.7715889	Kershaw	Catawba
AMB-037	Town of Bethune	34.3971278	-80.7743528	Kershaw	Pee Dee
AMB-037	Town of Bethune	34.3971278	-80.7743528	Kershaw	Pee Dee
AMB-037	Town of Bethune	34.3971278	-80.7743528	Kershaw	Pee Dee
AMB-038	City of Camden	34.2112611	-80.5461389	Kershaw	Catawba
AMB-038	City of Camden	34.2112611	-80.5461389	Kershaw	Catawba
AMB-038	City of Camden	34.2112611	-80.5461389	Kershaw	Catawba
AMB-039	City of Bishopville	34.1961667	-80.2088361	Lee	Pee Dee
AMB-039	City of Bishopville	34.1961667	-80.2088361	Lee	Pee Dee
AMB-039	City of Bishopville	34.1961667	-80.2088361	Lee	Pee Dee
AMB-039	City of Bishopville	34.1961667	-80.2088361	Lee	Pee Dee
AMB-040	Town of Swansea	33.7332917	-81.0938167	Lexington	Saluda-Edisto
AMB-040	Town of Swansea	33.7332917	-81.0938167	Lexington	Saluda-Edisto
AMB-040	Town of Swansea	33.7332917	-81.0938167	Lexington	Saluda-Edisto
AMB-040	Town of Swansea	33.7332917	-81.0938167	Lexington	Saluda-Edisto
AMB-041	Town of Summit	33.9286778	-81.4191889	Lexington	Saluda-Edisto
AMB-041	Town of Summit	33.9286778	-81.4191889	Lexington	Saluda-Edisto
AMB-041	Town of Summit	33.9286778	-81.4191889	Lexington	Saluda-Edisto
AMB-041	Town of Summit	33.9286778	-81.4191889	Lexington	Saluda-Edisto
AMB-042	Hidden Valley	33.8347722	-81.1312833	Lexington	Saluda-Edisto

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-029	Parris Island	Middendorf	01-May-88	8.4	2280	1200	6.0
AMB-029	Parris Island	Middendorf	01-May-93	8.6	1850	1100	6.0
AMB-029	Parris Island	Middendorf	01-May-98	8.9	1740	110	3
AMB-029	Parris Island	Middendorf	01-Jul-00	9.0	1771	1100	2
AMB-030	Town of Patrick #1	Middendorf	01-May-89	5.2	12	12	1.0
AMB-030	Town of Patrick #1	Middendorf	01-Jul-94	5.1	13	4	1.0
AMB-030	Town of Patrick #1	Middendorf	01-Jul-99	5.3	12.6	16	1
AMB-030	Town of Patrick #1	Middendorf	01-Jan-03	5.5	12.8	22	1.2
AMB-031	City of Walterboro	Middendorf	01-May-88	9.2	340	240	2.0
AMB-031	City of Walterboro	Middendorf	01-May-93	8.9	388	240	10
AMB-031	City of Walterboro	Middendorf	01-Jul-00	8.8	396	240	10
AMB-032	St.	Middendorf	01-May-89	4.8	32	26	3.0
AMB-032	St.	Middendorf	01-Jul-94	4.8	31	22	3.0
AMB-032	St.	Middendorf	01-Jul-99	4.9	29.6	28	4
AMB-032	St.	Middendorf	01-Jan-03	5.1	29.9	32	3.1
AMB-033	City of Hartsville	Middendorf	01-May-89	5.9	17	8	3.0
AMB-033	City of Hartsville	Middendorf	01-Jul-94	7.1	55	29	25
AMB-033	City of Hartsville	Middendorf	01-Jul-99	5.0	14.2	28	2
AMB-033	City of Hartsville	Middendorf	01-Jan-03	7.0	43.4	44	64
AMB-034	Town of Timmonsville	Middendorf	01-May-89	5.9	51	36	7.0
AMB-034	Town of Timmonsville	Middendorf	01-Jul-94	6.1	51	42	8.0
AMB-034	Town of Timmonsville	Middendorf	01-Jul-99	6.2	52	44	8
AMB-034	Town of Timmonsville	Middendorf	01-Jan-03	6.8	40.7	26	8.0
AMB-035	Ballard St.	Middendorf	01-May-89	6.8	298	150	12
AMB-035	Ballard St.	Middendorf	01-Jul-94	7.2	170	100	31
AMB-035	Ballard St.	Middendorf	01-Jul-99	8.0	180	140	30
AMB-036	City of Elgin	Middendorf	01-May-89	4.2	16	34	2.0
AMB-036	City of Elgin	Middendorf	01-Jul-94	5.2	18	4	2.0
AMB-037	Town of Bethune	Middendorf	01-May-89	3.9	81	76	21
AMB-037	Town of Bethune	Middendorf	01-Jul-94	5.0	36	12	7.0
AMB-037	Town of Bethune	Middendorf	01-Jul-99	4.7	35.8	24	6
AMB-037	Town of Bethune	Middendorf	01-Jan-03	5.2	31.2	28	4.7
AMB-038	City of Camden	Middendorf	01-May-89	4.0	51	54	7.0
AMB-038	City of Camden	Middendorf	01-Jul-94	5.1	29	16	2.0
AMB-038	City of Camden	Middendorf	01-Jul-99	4.7	26.3	16	2
AMB-039	City of Bishopville	Middendorf	01-May-89	4.8	24	44	6.0
AMB-039	City of Bishopville	Middendorf	01-Jul-94	5.1	16	9	2.0
AMB-039	City of Bishopville	Middendorf	01-Jul-99	5.0	12.9	14	1
AMB-039	City of Bishopville	Middendorf	01-Jan-03	5.4	15.1	22	1.4
AMB-040	Town of Swansea	Middendorf	01-May-87	5.3	10	10	1.0
AMB-040	Town of Swansea	Middendorf	01-Dec-91	7.1	75	42	3.0
AMB-040	Town of Swansea	Middendorf	01-May-97	5.2	13	<1	2.0
AMB-040	Town of Swansea	Middendorf	15-May-01	5.6	14.5	26	
AMB-041	Town of Summit	Middendorf	01-May-87	4.9	28	20	4.0
AMB-041	Town of Summit	Middendorf	01-Dec-91	4.9	30	38	5.0
AMB-041	Town of Summit	Middendorf	01-May-97	4.8		9	7.0
AMB-041	Town of Summit	Middendorf	15-May-01	4.8	43.6	36	
AMB-042	Hidden Valley	Middendorf	01-May-87	5.6	22	28	2.0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-029	Parris Island	<1	39.5	1.11		<10	0	
AMB-029	Parris Island	86	42.1	1.19	10.98	13	0.27	2.49
AMB-029	Parris Island	56	34.8	0.98	5.93	7	0.15	0.91
AMB-029	Parris Island	3.8	35.3	0.99	5.92	8	0.17	1.02
AMB-030	Town of Patrick #1	<1	1.0	0.03	50	<10	0	0
AMB-030	Town of Patrick #1	1.5	1.23	0.03	50	<5	0	0
AMB-030	Town of Patrick #1	<2	1.8	0.05	71.43	<5	0	0
AMB-030	Town of Patrick #1	2.1	1.6	0.05	71.43	<5.0	0	0
AMB-031	City of Walterboro	<1	2.0	0.06	2.12	<10	0	0
AMB-031	City of Walterboro	9.2	4.7	0.13	3.87	<10	0	0
AMB-031	City of Walterboro	2.3	4	0.11	3.18	8	0.17	4.91
AMB-032	St.	<1	1.0	0.03	50	<10	0	0
AMB-032	St.	1.5	<1	0	0	6.0	0.12	85.71
AMB-032	St.		1.7	0.05	26.32	6	0.12	63.16
AMB-032	St.	<2.0	1.3	0.04	22.22	6.6	0.14	77.78
AMB-033	City of Hartsville	<1	1.5	0.04	33.33	<10	0	0
AMB-033	City of Hartsville	1.5	1.43	0.04	8.89	<5	0	0
AMB-033	City of Hartsville		1.8	0.05	71.43	<5	0	0
AMB-033	City of Hartsville	3.0	2.0	0.06	19.35	<5.0	0	0
AMB-034	Town of Timmonsville	<1	1.5	0.04	16.67	<10	0	0
AMB-034	Town of Timmonsville	2.0	1.7	0.05	11.63	8	0.17	39.53
AMB-034	Town of Timmonsville	<2	2	0.06	14.63	9	0.19	46.34
AMB-034	Town of Timmonsville	<2.0	3.3	0.09	28.12	<5.0	0	0
AMB-035	Ballard St.	<1	42	1.18	46.83	15	0.31	12.3
AMB-035	Ballard St.	1.7	12.5	0.35	24.65	16	0.33	23.24
AMB-035	Ballard St.	<2	16.4	0.46	25.7	17	0.35	19.55
AMB-036	City of Elgin	<1	1.5	0.04	57.14	<10	0	0
AMB-036	City of Elgin	2.1	1.4	0.04	57.14	<5	0	0
AMB-037	Town of Bethune	<1	4.5	0.13	81.25	<10	0	0
AMB-037	Town of Bethune	1.2	2.8	0.08	80	<5	0	0
AMB-037	Town of Bethune		2.8	0.08				
AMB-037	Town of Bethune	2.4	2.8	0.08	100	<5.0	0	0
AMB-038	City of Camden	<1	7.5	0.21	91.3	<10	0	0
AMB-038	City of Camden	2.0	4.8	0.14	66.67	<5	0	0
AMB-038	City of Camden		3.5	0.1				
AMB-039	City of Bishopville	<1	2.0	0.06	37.5	<10	0	0
AMB-039	City of Bishopville	1.4	2.0	0.06	66.67	<5	0	0
AMB-039	City of Bishopville	<2	2.1	0.06	100	<5	0	0
AMB-039	City of Bishopville	<2.0	2.1	0.06	100	<5.0	0	0
AMB-040	Town of Swansea	<1	1.5	0.04	57.14	<10	0	0
AMB-040	Town of Swansea	2.3	1.9	0.05	7.25	<10	0	0
AMB-040	Town of Swansea	<2	1.3	0.04	100	<5	0	0
AMB-040	Town of Swansea	<2	1.9	0.05	62.5	<5	0	0
AMB-041	Town of Summit	<1	2.5	0.07	77.78	<10	0	0
AMB-041	Town of Summit	2.0	3.0	0.08	80	<10	0	0
AMB-041	Town of Summit	<2	3.1	0.09	100	<5	0	0
AMB-041	Town of Summit	<2	3.7	0.1	100	<5	0	0
AMB-042	Hidden Valley	1.4	1.5	0.04	11.76	11	0.23	67.65

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-029	Parris Island				1.5	0.07	0.32	0.43
AMB-029	Parris Island	572	9.38	86.53	1.5	0.07	0.56	0.46
AMB-029	Parris Island	940	15.41	93.17	0.69	0.03	0.1	0.29
AMB-029	Parris Island	949	15.56	93.06	0.57	0.03	0.16	0.18
AMB-030	Town of Patrick #1	2	0.03	50	0.21	0.01	50	0.13
AMB-030	Town of Patrick #1	2	0.03	50	0.24	0.01	50	0.17
AMB-030	Town of Patrick #1	1	0.02	28.57	0.23	0.01	16.67	0.13
AMB-030	Town of Patrick #1	1.3	0.02	28.57	0.25	0.01	16.67	0.13
AMB-031	City of Walterboro	169	2.77	97.88	0.56	0.03	0.92	<.05
AMB-031	City of Walterboro	197	3.23	96.13	2.4	0.12	2.81	0.99
AMB-031	City of Walterboro	194	3.18	91.91	2.4	0.12	3.02	1.1
AMB-032	St.	2	0.03	50	0.68	0.03	23.08	0.37
AMB-032	St.	1	0.02	14.29	0.65	0.03	23.08	0.37
AMB-032	St.	1	0.02	10.53	0.71	0.04	22.22	0.43
AMB-032	St.	<1.0	0	0	0.63	0.03	18.75	0.38
AMB-033	City of Hartsville	5	0.08	66.67	0.92	0.05	50	0.14
AMB-033	City of Hartsville	25	0.41	91.11	9.6	0.48	84.21	0.22
AMB-033	City of Hartsville	1	0.02	28.57	0.52	0.03	27.27	0.19
AMB-033	City of Hartsville	15	0.25	80.65	24	1.2	88.24	0.89
AMB-034	Town of Timmonsville	12	0.2	83.33	1.4	0.07	28	0.96
AMB-034	Town of Timmonsville	13	0.21	48.84	1.5	0.07	20	1.10
AMB-034	Town of Timmonsville	10	0.16	39.02	1.4	0.07	17.5	1
AMB-034	Town of Timmonsville	14	0.23	71.88	1.6	0.08	21.62	0.98
AMB-035	Ballard St.	63	1.03	40.87	2.7	0.13	4.98	1.30
AMB-035	Ballard St.	45	0.74	52.11	9	0.45	28.66	2
AMB-035	Ballard St.	60	0.98	54.75	10	0.5	30.86	1.3
AMB-036	City of Elgin	2	0.03	42.86	0.36	0.02	50	0.30
AMB-036	City of Elgin	2	0.03	42.86	0.36	0.02	16.67	0.30
AMB-037	Town of Bethune	2	0.03	18.75	3.8	0.19	40.43	2.70
AMB-037	Town of Bethune	1	0.02	20	1.4	0.07	28	0.94
AMB-037	Town of Bethune	<1	0	1.2		0.06	26.09	0.76
AMB-037	Town of Bethune	<1.0	0	0	0.93	0.05	25	0.57
AMB-038	City of Camden	1	0.02	8.7	1.4	0.07	25	0.96
AMB-038	City of Camden	4	0.07	33.33	0.53	0.03	15	0.30
AMB-038	City of Camden	<1	0	0	0.28	0.01	5.56	0.31
AMB-039	City of Bishopville	6	0.1	62.5	1.9	0.09	47.37	0.21
AMB-039	City of Bishopville	2	0.03	33.33	0.30	0.01	11.11	0.20
AMB-039	City of Bishopville	<1	0	0	0.31	0.02	22.22	0.17
AMB-039	City of Bishopville	<1.0	0	0	0.28	0.01	12.5	0.18
AMB-040	Town of Swansea	2	0.03	42.86	0.25	0.01	12.5	0.20
AMB-040	Town of Swansea	39	0.64	92.75	0.97	0.05	9.62	0.17
AMB-040	Town of Swansea	<1	0	0	0.28	0.01	10	0.2
AMB-040	Town of Swansea	2	0.03	37.5	0.30	0.01	12.5	0
AMB-041	Town of Summit	1	0.02	22.22	0.53	0.03	16.67	0.60
AMB-041	Town of Summit	1	0.02	20	0.66	0.03	15.79	0.79
AMB-041	Town of Summit	<1	0	0	0.88	0.04	17.39	1.1
AMB-041	Town of Summit	<1	0	0	1.2	0.06	17.14	2
AMB-042	Hidden Valley	4	0.07	20.59	0.43	0.02	25	0.20

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-029	Parris Island	0.18	0.04	500	21.74	<1	0	99.5
AMB-029	Parris Island	0.32	0.04	4	0.17	480	12.28	99.12
AMB-029	Parris Island	0.06	0.02	450	19.57	450	11.51	99.84
AMB-029	Parris Island	0.05	0.01	440	19.13	4	0.1	99.79
AMB-030	Town of Patrick #1	50	0.01	<1	0	<1	0	0
AMB-030	Town of Patrick #1	50	0.01	<1	0	<1	0	0
AMB-030	Town of Patrick #1	16.67	0.01	1	0.04	<1	0	66.67
AMB-030	Town of Patrick #1	16.67	0.01	0.96	0.04	<1.0	0	66.67
AMB-031	City of Walterboro	0	0	74	3.22	<1	0	99.08
AMB-031	City of Walterboro	1.87	0.08	89	3.87	8	0.2	95.32
AMB-031	City of Walterboro	2.26	0.09	82	3.57	8	0.2	94.72
AMB-032	St.	23.08	0.03	1.6	0.07	<1	0	53.85
AMB-032	St.	23.08	0.03	1.5	0.07	<1	0	53.85
AMB-032	St.	22.22	0.04	1.7	0.07	1	0.03	55.56
AMB-032	St.	18.75	0.03	1.6	0.07	1.1	0.03	62.5
AMB-033	City of Hartsville	10	0.01	1	0.04	<1	0	40
AMB-033	City of Hartsville	3.51	0.02	1.5	0.07	<1	0	12.28
AMB-033	City of Hartsville	18.18	0.02	1.3	0.06	<1	0	54.55
AMB-033	City of Hartsville	5.15	0.07	2.1	0.09	<1.0	0	6.62
AMB-034	Town of Timmonsville	32	0.08	2.4	0.1	<1	0	40
AMB-034	Town of Timmonsville	25.71	0.09	2.5	0.11	3	0.08	54.29
AMB-034	Town of Timmonsville	20	0.08	2.8	0.12	5	0.13	62.5
AMB-034	Town of Timmonsville	21.62	0.08	2.7	0.12	3.7	0.09	56.76
AMB-035	Ballard St.	4.21	0.11	51	2.22	6	0.15	90.8
AMB-035	Ballard St.	10.19	0.16	19	0.83	5	0.13	61.15
AMB-035	Ballard St.	6.79	0.11	21	0.91	4	0.1	62.35
AMB-036	City of Elgin	50	0.02	<1	0	<1	0	0
AMB-036	City of Elgin	16.67	0.02	1.9	0.08	<1	0	66.67
AMB-037	Town of Bethune	46.81	0.22	1.4	0.06	<1	0	12.77
AMB-037	Town of Bethune	32	0.08	2.4	0.1	<1	0	40
AMB-037	Town of Bethune	26.09	0.06	2.6	0.11	<1	0	47.83
AMB-037	Town of Bethune	25	0.05	2.4	0.1	<1.0	0	50
AMB-038	City of Camden	28.57	0.08	3.1	0.13	<1	0	46.43
AMB-038	City of Camden	10	0.02	3.4	0.15	<1	0	75
AMB-038	City of Camden	16.67	0.03	3.2	0.14	<1	0	77.78
AMB-039	City of Bishopville	10.53	0.02	1.9	0.08	<1	0	42.11
AMB-039	City of Bishopville	22.22	0.02	1.3	0.06	<1	0	66.67
AMB-039	City of Bishopville	11.11	0.01	1.4	0.06	<1	0	66.67
AMB-039	City of Bishopville	12.5	0.01	1.3	0.06	<1.0	0	75
AMB-040	Town of Swansea	25	0.02	1.1	0.05	<1	0	62.5
AMB-040	Town of Swansea	1.92	0.01	<1	0	18	0.46	88.46
AMB-040	Town of Swansea	20	0.02	1.5	0.07	<1	0	70
AMB-040	Town of Swansea	0	0	1.7	0.07	<1	0	87.5
AMB-041	Town of Summit	27.78	0.05	2.2	0.1	<1	0	55.56
AMB-041	Town of Summit	36.84	0.07	2.1	0.09	<1	0	47.37
AMB-041	Town of Summit	39.13	0.09	2.3	0.1	<1	0	43.48
AMB-041	Town of Summit	45.71	0.16	2.1	0.09	1.6	0.04	37.14
AMB-042	Hidden Valley	25	0.02	1	0.04	<1	0	50

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-029	Parris Island	3.90	<.005	<.05	<.05	0.11	<.05
AMB-029	Parris Island	6.5	<.005	<.05	<.01	0.60	<.05
AMB-029	Parris Island		<.005	<.05	<.01	0.14	<.05
AMB-029	Parris Island		<.005	<.05	<.01	0.1	<.05
AMB-030	Town of Patrick #1	<0.1	<.005	<.05	0.02	0.01	<.05
AMB-030	Town of Patrick #1	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-030	Town of Patrick #1	<.1	<.005	<.05	<.01	<.02	<.05
AMB-030	Town of Patrick #1	<0.10	<0.0050	<0.050	0.019	0.43	<0.050
AMB-031	City of Walterboro	0.80	<.005	<.05	<.05	<.05	<.05
AMB-031	City of Walterboro	1.04	<.005	<.05	<.05	<.05	<.05
AMB-031	City of Walterboro	1.01	<.005	<.05	<.01	<.02	<.05
AMB-032	St.	<0.1	<.005	<.05	<.01	0.81	<.05
AMB-032	St.	<0.1	<.005	<.05	<.01	0.70	<.05
AMB-032	St.	<.1	<.005	<.05	<.01	0.96	<.05
AMB-032	St.	<0.10	<0.0050	<0.050	<0.010	0.71	<0.050
AMB-033	City of Hartsville	<0.1	<.005	<.05	0.01	<.01	<.05
AMB-033	City of Hartsville	<0.1	<.005	<.05	<.01	<.01	<.05
AMB-033	City of Hartsville	<.1	<.005	<.05	0.03	<.02	<.05
AMB-033	City of Hartsville	0.53	<0.0050	<0.050	0.020	0.14	<0.050
AMB-034	Town of Timmonsville	<0.1	<.005	0.06	<.01	1.80	<.05
AMB-034	Town of Timmonsville	<0.1	<.005	0.06	0.01	2.4	<.05
AMB-034	Town of Timmonsville	<.1	<.005	<.05	<.01	2.3	<.05
AMB-034	Town of Timmonsville	0.23	<0.0050	<0.050	<0.010	4.7	<0.050
AMB-035	Ballard St.	0.28	<.005	0.05	<.01	0.41	<.05
AMB-035	Ballard St.	0.11	<.005	<.05	<.01	0.03	<.05
AMB-035	Ballard St.	0.98	<.005	0.06	0.04	12	<.05
AMB-036	City of Elgin	<0.1	<.005	<.05	<.01	0.01	<.05
AMB-036	City of Elgin	0.11	<.005	<.05	<.01	0.13	<.05
AMB-037	Town of Bethune	<0.1	<.005	0.09	<.01	0.01	<.05
AMB-037	Town of Bethune	0.10	<.005	<.05	<.01	<.02	<.05
AMB-037	Town of Bethune	<.1	<.005	<.05	<.01	<.02	<.05
AMB-037	Town of Bethune	<0.10	<0.0050	<0.050	<0.010	<0.020	<0.050
AMB-038	City of Camden	<0.1	<.005	<.05	0.01	0.24	<.05
AMB-038	City of Camden	0.12	<.005	<.05	0.02	0.38	<.05
AMB-038	City of Camden	<.1	<.005	<.05	0.02	<.02	<.05
AMB-039	City of Bishopville	0.30	<.005	<.05	0.02	0.01	<.05
AMB-039	City of Bishopville	0.12	<.005	<.05	0.04	<.05	<.01
AMB-039	City of Bishopville	<.1	<.005	<.05	0.02	<.02	<.05
AMB-039	City of Bishopville	<0.10	<0.0050	<0.050	<0.010	<0.020	<0.050
AMB-040	Town of Swansea		<.005		<.05	0.11	<.05
AMB-040	Town of Swansea		<.005		0.01	0.06	
AMB-040	Town of Swansea	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-040	Town of Swansea	<.1	<.005	<.05	<.01	0.033	<.05
AMB-041	Town of Summit	<0.1	<.005	<.05	<.05	<.05	0.06
AMB-041	Town of Summit	<0.1	<.005		0.02	0.02	
AMB-041	Town of Summit	<0.1	<.005	<.05	0.01	<.02	<.05
AMB-041	Town of Summit	<.1	<.005	<.05	0.033	0.094	<.05
AMB-042	Hidden Valley	<0.1	<.005		<.05	0.06	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-029	Parris Island	<.05	0.11	<.05	<.001	4.20	<.05
AMB-029	Parris Island	<.01	<.01	<.05	<.003	4.6	<.02
AMB-029	Parris Island	<.01	<.01	<.1	<.003	4.4	<.02
AMB-029	Parris Island	<.01	<.01	<.1	<.003	4.2	<.02
AMB-030	Town of Patrick #1	<.01	<.01	<.05	<.001	<.02	<.02
AMB-030	Town of Patrick #1	<.01	<.01	<.05	<.003	<.03	<.02
AMB-030	Town of Patrick #1	<.01	<.01	<.1	<.003	<.1	<.02
AMB-030	Town of Patrick #1	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020
AMB-031	City of Walterboro	<.05	<.05	<.05	<.001	0.41	<.05
AMB-031	City of Walterboro	<.05	<.05	<.05	<.001	0.19	<.05
AMB-031	City of Walterboro	<.01	<.01	<.1	<.003	0.2	<.02
AMB-032	St.	0.01	0.03	<.05	<.001	<.02	<.02
AMB-032	St.	0.01	0.03	<.05	<.003	<.03	<.02
AMB-032	St.	0.02	0.02	<.1	<.003	<.1	<.02
AMB-032	St.	0.012	0.024	<0.10	<0.0030	<0.10	<0.020
AMB-033	City of Hartsville	<.01	0.03	<.05	<.001	<.02	<.02
AMB-033	City of Hartsville	<.01	<.01	<.05	<.003	<.02	<.02
AMB-033	City of Hartsville	<.01	0.01	<.1	<.003	<.1	<.02
AMB-033	City of Hartsville	<0.010	<0.010	0.14	<0.0030	<0.10	<0.020
AMB-034	Town of Timmonsville	0.02	<.01	<.05	<.001	<.02	<.02
AMB-034	Town of Timmonsville	0.03	0.02	<.05	<.003	<.03	<.02
AMB-034	Town of Timmonsville	0.02	<.01	<.1	<.003	<.1	<.02
AMB-034	Town of Timmonsville	0.11	0.011	<0.10	<0.0030	<0.10	<0.020
AMB-035	Ballard St.	0.02	0.03	<.05	<.001	0.09	<.02
AMB-035	Ballard St.	<.01	<.01	<.05	<.003	0.05	<.02
AMB-035	Ballard St.	0.14	0.03	1.4	<.003	<.1	<.02
AMB-036	City of Elgin	<.01	<.04	<.05	<.001	<.02	<.02
AMB-036	City of Elgin	0.02	0.04	<.05	<.003	<.02	<.02
AMB-037	Town of Bethune	0.03	0.01	0.16	<.001	<.02	<.02
AMB-037	Town of Bethune	0.01	0.01	0.04	<.003	<.03	<.02
AMB-037	Town of Bethune	<.01	0.01	<.1	<.003	<.1	<.02
AMB-037	Town of Bethune	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020
AMB-038	City of Camden	0.01	0.04	0.22	<.001	<.02	<.02
AMB-038	City of Camden	0.01	0.05	<.05	<.003	<.03	<.02
AMB-038	City of Camden	<.01	<.01	<.1	<.003	<.1	<.02
AMB-039	City of Bishopville	<.01	0.02	<.05	<.001	<.02	<.02
AMB-039	City of Bishopville	0.03	<.05	<.05	0.01	<.02	<.02
AMB-039	City of Bishopville	<.01	0.01	<.1	<.003	<.1	<.02
AMB-039	City of Bishopville	<0.010	<0.010	<0.10	<0.0030	<0.10	<0.020
AMB-040	Town of Swansea	<.05					
AMB-040	Town of Swansea		0.02				
AMB-040	Town of Swansea	<.01	<.01	0.09	<.003	0.22	<.02
AMB-040	Town of Swansea	<.01	<.01	<.1	0.0042	<.1	<.02
AMB-041	Town of Summit	<.05					
AMB-041	Town of Summit		0.03			0.03	
AMB-041	Town of Summit	<.01	<.01	0.08	<.003	0.08	<.02
AMB-041	Town of Summit	<.01	0.024	<.1	<.003	<.1	<.02
AMB-042	Hidden Valley	<.05					

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-029	Parris Island	<.0002	<.02	<.005	<.05	<1	<0.5
AMB-029	Parris Island	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-029	Parris Island	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-029	Parris Island	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-030	Town of Patrick #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-030	Town of Patrick #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-030	Town of Patrick #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-030	Town of Patrick #1	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-031	City of Walterboro	<.0002	<.02	<.005	<.05	<1	<.05
AMB-031	City of Walterboro	<.0002	<.02	<.005	<.05	<1	<.15
AMB-031	City of Walterboro	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-032	St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-032	St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-032	St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-032	St.	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-033	City of Hartsville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-033	City of Hartsville	<.0002	.03	<.005	<.03	<.5	<.15
AMB-033	City of Hartsville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-033	City of Hartsville	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-034	Town of Timmonsville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-034	Town of Timmonsville	<.0002	.07	<.005	<.03	<.5	<.15
AMB-034	Town of Timmonsville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-034	Town of Timmonsville	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-035	Ballard St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-035	Ballard St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-035	Ballard St.	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-036	City of Elgin	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-036	City of Elgin	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-037	Town of Bethune	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-037	Town of Bethune	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-037	Town of Bethune	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-037	Town of Bethune	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-038	City of Camden	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-038	City of Camden	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-038	City of Camden	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-039	City of Bishopville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-039	City of Bishopville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-039	City of Bishopville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-039	City of Bishopville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-039	City of Bishopville	<0.00020	<.020	<.0020	<.030	<.50	<.015
AMB-040	Town of Swansea						
AMB-040	Town of Swansea	<.0002					
AMB-040	Town of Swansea	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-040	Town of Swansea	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-041	Town of Summit						
AMB-041	Town of Summit	<.0002	.03				
AMB-041	Town of Summit	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-041	Town of Summit	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-042	Hidden Valley						

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-029	Parris Island	<.01	<.05	<.05	<.05	<0.2	19	0.07
AMB-029	Parris Island	<.01	<.01	<.02	0.03	<.05		0.07
AMB-029	Parris Island	<.01	<.01	<.02	0.03	<.05	1	0.05
AMB-029	Parris Island	<.01	<.01	<.02	0.02	<.05	9.1	0.04
AMB-030	Town of Patrick #1	<.01	<.01	<.02	<.01	<.05	7.2	<.01
AMB-030	Town of Patrick #1	<.01	<.01	<.02	<.01	<.05	7.6	<.01
AMB-030	Town of Patrick #1	<.01	<.01	<.02	<.01	<.05	7.4	<.01
AMB-030	Town of Patrick #1	<0.010	<0.010	<0.020	<0.010	<0.050	7.2	<0.010
AMB-031	City of Walterboro	<.01	<.05	<.05	<.05	<0.2	18	<.05
AMB-031	City of Walterboro	<.01	<.05	<.05	<.05	<0.2		0.05
AMB-031	City of Walterboro	<.01	<.01	<.02	<.01	<.05	31	0.05
AMB-032	St.	<.01	<.01	<.02	0.02	<.05	10	0.01
AMB-032	St.	<.01	<.01	<.02	0.02	<.05	11	0.01
AMB-032	St.	<.01	<.01	<.02	0.02	<.05	10	<.01
AMB-032	St.	<0.010	<0.010	<0.020	0.020	<0.050	10	<0.010
AMB-033	City of Hartsville	<.01	<.01	<.02	<.01	<.05	8.6	<.01
AMB-033	City of Hartsville	<.01	0.01	<.02	<.01	<.05	8.2	0.01
AMB-033	City of Hartsville	<.01	<.01	<.02	<.01	<.05	8.7	<.01
AMB-033	City of Hartsville	<0.010	<0.010	<0.020	<0.010	<0.050	5.8	0.016
AMB-034	Town of Timmonsville	<.01	<.01	<.02	0.01	<.05	15	0.03
AMB-034	Town of Timmonsville	<.01	<.01	<.02	0.01	<.05	16	0.03
AMB-034	Town of Timmonsville	<.01	<.01	<.02	0.01	<.05	15	0.02
AMB-034	Town of Timmonsville	<0.010	<0.010	<0.020	<0.010	<0.050	7.1	0.019
AMB-035	Ballard St.	<.01	<.01	<.02	<.01	<.05	17	0.07
AMB-035	Ballard St.	<.01	<.01	<.02	<.01	<.05	21	0.07
AMB-035	Ballard St.	<.01	<.01	<.02	<.01	<.05	21	0.05
AMB-036	City of Elgin	<.01	<.01	<.02	<.01	<.05	5.5	<.01
AMB-036	City of Elgin	<.01	<.01	<.02	<.01	<.05	2.6	<.01
AMB-037	Town of Bethune	<.01	<.01	<.02	<.01	<.05	5.8	0.04
AMB-037	Town of Bethune	<.01	<.01	<.02	<.01	<.05	3.1	0.01
AMB-037	Town of Bethune	<.01	<.01	<.02	<.01	<.05	6	0.01
AMB-037	Town of Bethune	<0.010	<0.010	<0.020	<0.010	<0.050	6.6	<0.010
AMB-038	City of Camden	<.01	<.01	<.02	<.01	<.05	6.1	0.01
AMB-038	City of Camden	<.01	<.01	<.02	<.01	<.05	2.9	<.01
AMB-038	City of Camden	<.01	<.01	<.02	<.01	<.05	5.6	<.01
AMB-039	City of Bishopville	<.01	<.01	<.02	<.01	<.05	8.4	<.01
AMB-039	City of Bishopville	<.01	<.01	<.02	<.01	<.05	4.3	<.01
AMB-039	City of Bishopville	<.01	<.01	<.02	<.01	<.05	8.2	<.01
AMB-039	City of Bishopville	<0.010	<0.010	<0.020	<0.010	<0.050	8.6	<0.010
AMB-040	Town of Swansea	<.01	<.05					
AMB-040	Town of Swansea							
AMB-040	Town of Swansea	<.01	<.01	<.02	<.01	<.05	8.3	<.01
AMB-040	Town of Swansea	<.01	<.01	<.02	<.01	<.05	8.4	<.01
AMB-041	Town of Summit	<.01	<.05					0.01
AMB-041	Town of Summit	<.01						
AMB-041	Town of Summit	<.01	<.01	<.02	<.01	<.05	4.9	0.11
AMB-041	Town of Summit	<.01	<.01	<.02	<.01	<.05	1.6	0.017
AMB-042	Hidden Valley	<.01	<.05					

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-029	Parris Island	<.02	0.73
AMB-029	Parris Island	0.02	0.87
AMB-029	Parris Island	<.02	0.86
AMB-029	Parris Island	<.02	0.71
AMB-030	Town of Patrick #1	<.02	ND
AMB-030	Town of Patrick #1	0.09	ND
AMB-030	Town of Patrick #1	<.02	ND
AMB-030	Town of Patrick #1	0.031	<0.10
AMB-031	City of Walterboro	<.02	0.39
AMB-031	City of Walterboro	<.02	0.27
AMB-031	City of Walterboro	<.02	0.24
AMB-032	St.	<.02	0.34
AMB-032	St.	<.02	ND
AMB-032	St.	<.02	ND
AMB-032	St.	<0.020	<0.10
AMB-033	City of Hartsville	0.05	ND
AMB-033	City of Hartsville	0.09	ND
AMB-033	City of Hartsville	10	ND
AMB-033	City of Hartsville	0.18	<0.10
AMB-034	Town of Timmonsville	<.02	0.12
AMB-034	Town of Timmonsville	0.02	0.22
AMB-034	Town of Timmonsville	<.02	ND
AMB-034	Town of Timmonsville	<0.020	0.33
AMB-035	Ballard St.	<.02	0.12
AMB-035	Ballard St.	<.02	0.69
AMB-035	Ballard St.	<.02	ND
AMB-036	City of Elgin	0.71	0.12
AMB-036	City of Elgin	1.02	ND
AMB-037	Town of Bethune	5.80	ND
AMB-037	Town of Bethune	3.7	ND
AMB-037	Town of Bethune	1.88	ND
AMB-037	Town of Bethune	1.6	<0.10
AMB-038	City of Camden	1.89	0.12
AMB-038	City of Camden	0.49	ND
AMB-038	City of Camden	0.6	ND
AMB-039	City of Bishopville	<.02	ND
AMB-039	City of Bishopville	<.02	ND
AMB-039	City of Bishopville	0.05	ND
AMB-039	City of Bishopville	0.036	<0.10
AMB-040	Town of Swansea	<.02	
AMB-040	Town of Swansea		
AMB-040	Town of Swansea	<.02	ND
AMB-040	Town of Swansea	0.021	ND
AMB-041	Town of Summit	1.76	
AMB-041	Town of Summit	1.80	
AMB-041	Town of Summit	1.33	ND
AMB-041	Town of Summit	2.8	
AMB-042	Hidden Valley	0.38	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-042	Hidden Valley	33.8347722	-81.1312833	Lexington	Saluda-Edisto
AMB-042	Hidden Valley	33.8347722	-81.1312833	Lexington	Saluda-Edisto
AMB-042	Hidden Valley	33.8347722	-81.1312833	Lexington	Saluda-Edisto
AMB-043	Town of Clio	34.5789583	-79.5478	Marlboro	Pee Dee
AMB-043	Town of Clio	34.5789583	-79.5478	Marlboro	Pee Dee
AMB-043	Town of Clio	34.5789583	-79.5478	Marlboro	Pee Dee
AMB-043	Town of Clio	34.5789583	-79.5478	Marlboro	Pee Dee
AMB-044	Hatchery #1	33.4685667	-80.8550722	Orangeburg	Saluda-Edisto
AMB-044	Hatchery #1	33.4685667	-80.8550722	Orangeburg	Saluda-Edisto
AMB-044	Hatchery #1	33.4685667	-80.8550722	Orangeburg	Saluda-Edisto
AMB-044	Hatchery #1	33.4685667	-80.8550722	Orangeburg	Saluda-Edisto
AMB-045	Lakes	33.9946611	-80.9047556	Richland	Saluda-Edisto
AMB-045	Lakes	33.9946611	-80.9047556	Richland	Saluda-Edisto
AMB-045	Lakes	33.9946611	-80.9047556	Richland	Saluda-Edisto
AMB-045	Lakes	33.9946611	-80.9047556	Richland	Saluda-Edisto
AMB-046	Spring Valley	34.1131583	-80.8801528	Richland	Saluda-Edisto
AMB-046	Spring Valley	34.1131583	-80.8801528	Richland	Saluda-Edisto
AMB-046	Spring Valley	34.1131583	-80.8801528	Richland	Saluda-Edisto
AMB-047	Hopkins	33.9875444	-80.8393056	Richland	Saluda-Edisto
AMB-047	Hopkins	33.9875444	-80.8393056	Richland	Saluda-Edisto
AMB-047	Hopkins	33.9875444	-80.8393056	Richland	Saluda-Edisto
AMB-047	Hopkins	33.9875444	-80.8393056	Richland	Saluda-Edisto
AMB-048	North of Eastover	33.952	-80.713075	Richland	Catawba
AMB-048	North of Eastover	33.952	-80.713075	Richland	Catawba
AMB-049	Sumter Plant #1	33.9335417	-80.3461667	Sumter	Pee Dee
AMB-049	Sumter Plant #1	33.9335417	-80.3461667	Sumter	Pee Dee
AMB-049	Sumter Plant #1	33.9335417	-80.3461667	Sumter	Pee Dee
AMB-049	Sumter Plant #1	33.9335417	-80.3461667	Sumter	Pee Dee
AMB-050	Town of Hemingway	33.7477111	-79.4511417	Williamsburg	Pee Dee
AMB-050	Town of Hemingway	33.7477111	-79.4511417	Williamsburg	Pee Dee
AMB-050	Town of Hemingway	33.7477111	-79.4511417	Williamsburg	Pee Dee
AMB-050	Town of Hemingway	33.7477111	-79.4511417	Williamsburg	Pee Dee
AMB-051	Allendale Industrial Park	32.9820444	-81.2763917	Allendale	Sav-Salk
AMB-051	Allendale Industrial Park	32.9820444	-81.2763917	Allendale	Sav-Salk
AMB-052	primary school	33.3891806	-80.2710056	Orangeburg	
AMB-053	Corner	33.1922361	-80.0174944	Berkeley	Catawba
AMB-053	Corner	33.1922361	-80.0174944	Berkeley	Catawba
AMB-053	Corner	33.1922361	-80.0174944	Berkeley	Catawba
AMB-053	Corner	33.1922361	-80.0174944	Berkeley	Catawba
AMB-054	Abbeville Deep Well	34.1439222	-82.4035861	Abbeville	Sav-Salk
AMB-054	Abbeville Deep Well	34.1439222	-82.4035861	Abbeville	Sav-Salk
AMB-054	Abbeville Deep Well	34.1439222	-82.4035861	Abbeville	Sav-Salk
AMB-055	Starr Shallow Well	34.3965833	-82.7532778	Anderson	Sav-Salk
AMB-055	Starr Shallow Well	34.3965833	-82.7532778	Anderson	Sav-Salk
AMB-055	Starr Shallow Well	34.3965833	-82.7532778	Anderson	Sav-Salk
AMB-056	Blacksburg-walker	35.1532222	-81.4396167	Cherokee	Broad
AMB-056	Blacksburg-walker	35.1532222	-81.4396167	Cherokee	Broad
AMB-057	#11	34.3944028	-81.2921	Fairfield	Broad

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-042	Hidden Valley	Middendorf	01-Dec-91	5.3	14	30	2.0
AMB-042	Hidden Valley	Middendorf	01-May-97	5.3	14	<1	2.0
AMB-042	Hidden Valley	Middendorf	15-May-01	5.4	14.2	32	
AMB-043	Town of Clio	Middendorf	01-May-89	5.5	48	30	6.0
AMB-043	Town of Clio	Middendorf	01-Jul-94	5.9	52	24	6.0
AMB-043	Town of Clio	Middendorf	01-Jul-99	5.2	44.5	40	6
AMB-043	Town of Clio	Middendorf	01-Jan-03	5.9	48.7	42	6.0
AMB-044	Hatchery #1	Middendorf	01-May-88	6.1	58	50	8.0
AMB-044	Hatchery #1	Middendorf	01-May-93	6.0	55	44	8.0
AMB-044	Hatchery #1	Middendorf	01-May-98	6.5	59.3	44	10
AMB-044	Hatchery #1	Middendorf	15-May-01	6.3	61.4	28	
AMB-045	Lakes	Middendorf	01-May-87	6.0	15	0	2.0
AMB-045	Lakes	Middendorf	01-Dec-91	5.3	15	36	2.0
AMB-045	Lakes	Middendorf	01-May-97	5.2	13	4	2.0
AMB-045	Lakes	Middendorf	15-May-01	5.4	15.8	34	
AMB-046	Spring Valley	Middendorf	01-May-87	5.7	23	<1	2.0
AMB-046	Spring Valley	Middendorf	01-Dec-91	5.6	22	12	2.0
AMB-046	Spring Valley	Middendorf	01-May-97	5.6	29	14	3.0
AMB-047	Hopkins	Middendorf	01-May-87	5.1	10	<1	1.0
AMB-047	Hopkins	Middendorf	01-Dec-91	5.3	13	6	1.0
AMB-047	Hopkins	Middendorf	01-May-97	5.1	11	25	1.0
AMB-047	Hopkins	Middendorf	15-May-01	5.2	12.6	32	
AMB-048	North of Eastover	Middendorf	01-May-87	5.5	25	<1	3.0
AMB-048	North of Eastover	Middendorf	01-Dec-91	5.1	27	50	3.0
AMB-049	Sumter Plant #1	Middendorf	01-May-89	5.6	41	64	5.0
AMB-049	Sumter Plant #1	Middendorf	01-Jul-94	5.7	41	24	6.0
AMB-049	Sumter Plant #1	Middendorf	01-Jul-99	5.4	35.2	32	5
AMB-049	Sumter Plant #1	Middendorf	01-Jan-03	5.6	42.6	32	5.2
AMB-050	Town of Hemingway	Middendorf	01-May-89	8.7	690	410	3.0
AMB-050	Town of Hemingway	Middendorf	01-Jul-94	8.6	714	400	3.0
AMB-050	Town of Hemingway	Middendorf	01-Jul-99	8.6	680	400	4
AMB-050	Town of Hemingway	Middendorf	01-Jan-03	8.6	682	390	3.6
AMB-051	Allendale Industrial Park	PeeDee\Black Creek	01-May-88	7.2	117	64	24
AMB-051	Allendale Industrial Park	PeeDee\Black Creek	01-Jul-00	7.3	116	80	25
AMB-052	primary school	Pee Dee	01-May-88	8.9	160	110	34
AMB-053	Corner	Pee Dee	01-May-89	7.8	1300	840	21
AMB-053	Corner	Pee Dee	01-Jul-94	7.8	475	250	160
AMB-053	Corner	Pee Dee	01-Jul-99	7.6	509	310	140
AMB-053	Corner	Pee Dee	01-May-02	7.9	512	290	130
AMB-054	Abbeville Deep Well	Well	01-Apr-90	6.6	70	76	22
AMB-054	Abbeville Deep Well	Well	01-Apr-95	6.4	72	56	19
AMB-054	Abbeville Deep Well	Well	01-Jul-00	6.4	71.4	64	20
AMB-055	Starr Shallow Well	Saprolite	01-Apr-90	6.5	46	48	19
AMB-055	Starr Shallow Well	Saprolite	01-Apr-95	6.5	50	42	17
AMB-055	Starr Shallow Well	Saprolite	01-Jul-00	6.3	131	88	36
AMB-056	Blacksburg-walker	Saprolite	01-Apr-90	6.4	62	34	28
AMB-056	Blacksburg-walker	Saprolite	01-Apr-95	6.4	68	44	27
AMB-057	#11	Piedmont Bedrock	01-May-87	6.5	140	96	43

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-042	Hidden Valley		1.6	0.05	16.13	11	0.23	74.19
AMB-042	Hidden Valley	<2	1.4	0.04	100	<5	0	0
AMB-042	Hidden Valley	<2	1.7	0.05	100	<5	0	0
AMB-043	Town of Clio	1.4	4.0	0.11	57.89	<10	0	0
AMB-043	Town of Clio	1.8	3.5	0.1	25	7.0	0.15	37.5
AMB-043	Town of Clio	<2	3.4	0.1	29.41	8	0.17	50
AMB-043	Town of Clio	3.0	3.0	0.08	24.24	6.4	0.13	39.39
AMB-044	Hatchery #1	<1	1.5	0.04	23.53	<10	0	0
AMB-044	Hatchery #1	2.5	1.4	0.04	8.89	11	0.23	51.11
AMB-044	Hatchery #1	<2	1.6	0.05	11.9	9	0.19	45.24
AMB-044	Hatchery #1	<2	1.6	0.05	10.87	11	0.23	50
AMB-045	Lakes	1.7	2.5	0.07	21.21	10	0.21	63.64
AMB-045	Lakes	<2	1.6	0.05	13.51	13	0.27	72.97
AMB-045	Lakes	<2	1.2	0.03	60	<5	0	0
AMB-045	Lakes	<2	1.7	0.05	71.43	<5	0	0
AMB-046	Spring Valley	<1	1.5	0.04	44.44	<10	0	0
AMB-046	Spring Valley	1.5	1.9	0.05	62.5	<10	0	0
AMB-046	Spring Valley	<2	1.9	0.05	71.43	<5	0	0
AMB-047	Hopkins	<1	1.0	0.03	50	<10	0	0
AMB-047	Hopkins	0.7	1.3	0.04	66.67	<10	0	0
AMB-047	Hopkins	<2	1.2	0.03	60	<5	0	0
AMB-047	Hopkins	<2	1.6	0.05	100	<5	0	0
AMB-048	North of Eastover	<1	2.0	0.06	14.63	13	0.27	65.85
AMB-048	North of Eastover	1.8	2.0	0.06	15	14	0.29	72.5
AMB-049	Sumter Plant #1	<1	2.5	0.07	35	<10	0	0
AMB-049	Sumter Plant #1	2.5	2.7	0.08	19.51	8	0.17	41.46
AMB-049	Sumter Plant #1	<2	2.5	0.07	21.88	7	0.15	46.88
AMB-049	Sumter Plant #1	3.5	2.6	0.07	20.59	8.4	0.17	50
AMB-050	Town of Hemingway	3.2	31	0.87	14.57	12	0.25	4.19
AMB-050	Town of Hemingway	7.7	36.6	1.03	16.4	5.7	0.12	1.91
AMB-050	Town of Hemingway	<2	37.2	1.05	17.16	7	0.15	2.45
AMB-050	Town of Hemingway	15	35	0.99	15.87	8.4	0.17	2.72
AMB-051	Allendale Industrial Park	<1	2.0	0.06	7.89	<10	0	0
AMB-051	Allendale Industrial Park	<2	2.2	0.06	6	12	0.25	25
AMB-052	primary school	<1	3.0	0.08	5.13	<10	0	0
AMB-053	Corner	1.0	71.2	2.01	15.27	<10	0	0
AMB-053	Corner	4.2	21.8	0.61	14.7	<5	0	0
AMB-053	Corner	<2	23.1	0.65	13.18	6	0.12	2.43
AMB-053	Corner	<2	21	0.59	13.11	6.5	0.14	3.11
AMB-054	Abbeville Deep Well	2.1	2.8	0.08	17.02	<10	0	0
AMB-054	Abbeville Deep Well	2.6	2.7	0.08	17.39	<5	0	0
AMB-054	Abbeville Deep Well	<2	3	0.08	15.38	<5	0	0
AMB-055	Starr Shallow Well	2.9	1.9	0.05	8.77	10	0.21	36.84
AMB-055	Starr Shallow Well	1.8	1.8	0.05	14.29	<5	0	0
AMB-055	Starr Shallow Well	<2	13.2	0.37	46.25	<5	0	0
AMB-056	Blacksburg-walker	1.6	3.3	0.09	16.98	<10	0	0
AMB-056	Blacksburg-walker	1.9	3.6	0.1	17.86	<5	0	0
AMB-057	#11	<1	10.5	0.3	23.08	<10	0	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%-	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-042	Hidden Valley	2	0.03	9.68	0.34	0.02	25	0.24
AMB-042	Hidden Valley	<1	0	0	0.38	0.02	20	0.25
AMB-042	Hidden Valley	<1	0	0	0.36	0.02	28.57	0
AMB-043	Town of Clio	5	0.08	42.11	1.8	0.09	32.14	0.41
AMB-043	Town of Clio	9	0.15	37.5	1.9	0.09	22.5	0.42
AMB-043	Town of Clio	4	0.07	20.59	1.7	0.08	24.24	0.42
AMB-043	Town of Clio	7.2	0.12	36.36	1.8	0.09	25	0.37
AMB-044	Hatchery #1	8	0.13	76.47	2.2	0.11	42.31	0.56
AMB-044	Hatchery #1	11	0.18	40	2.2	0.11	26.83	0.59
AMB-044	Hatchery #1	11	0.18	42.86	2.9	0.14	28	0.76
AMB-044	Hatchery #1	11	0.18	39.13	2.6	0.13	26.53	1
AMB-045	Lakes	3	0.05	15.15	0.42	0.02	22.22	0.24
AMB-045	Lakes	3	0.05	13.51	0.37	0.02	50	0.20
AMB-045	Lakes	1	0.02	40	0.38	0.02	25	0.22
AMB-045	Lakes	1	0.02	28.57	0.40	0.02	33.33	0
AMB-046	Spring Valley	3	0.05	55.56	0.37	0.02	10	0.35
AMB-046	Spring Valley	2	0.03	37.5	0.32	0.02	11.76	0.32
AMB-046	Spring Valley	1	0.02	28.57	0.48	0.02	8.33	0.45
AMB-047	Hopkins	2	0.03	50	0.26	0.01	50	0.17
AMB-047	Hopkins	1	0.02	33.33	0.25	0.01	50	0.14
AMB-047	Hopkins	1	0.02	40	0.27	0.01	50	0.15
AMB-047	Hopkins	<1	0	0	0.26	0.01	20	0
AMB-048	North of Eastover	5	0.08	19.51	0.32	0.02	15.38	0.57
AMB-048	North of Eastover	3	0.05	12.5	0.30	0.01	6.25	0.56
AMB-049	Sumter Plant #1	8	0.13	65	0.81	0.04	22.22	0.64
AMB-049	Sumter Plant #1	10	0.16	39.02	1.1	0.05	20	0.77
AMB-049	Sumter Plant #1	6	0.1	31.25	0.86	0.04	16.67	0.65
AMB-049	Sumter Plant #1	5.9	0.1	29.41	0.96	0.05	17.86	0.68
AMB-050	Town of Hemingway	296	4.85	81.24	0.97	0.05	0.71	0.21
AMB-050	Town of Hemingway	313	5.13	81.69	1	0.05	0.67	0.24
AMB-050	Town of Hemingway	300	4.92	80.39	1.1	0.05	0.63	0.3
AMB-050	Town of Hemingway	310	5.08	81.41	1.0	0.05	0.71	0.28
AMB-051	Allendale Industrial Park	43	0.7	92.11	8.1	0.4	40	1.00
AMB-051	Allendale Industrial Park	42	0.69	69	8.1	0.4	37.38	1.1
AMB-052	primary school	90	1.48	94.87	11	0.55	29.73	1.60
AMB-053	Corner	680	11.15	84.73	4.6	0.23	1.45	2.30
AMB-053	Corner	216	3.54	85.3	31	1.55	30.69	20
AMB-053	Corner	254	4.16	84.38	23	1.15	20.65	19
AMB-053	Corner	230	3.77	83.78	26.0	1.3	24.76	17
AMB-054	Abbeville Deep Well	24	0.39	82.98	7	0.35	48.61	1.20
AMB-054	Abbeville Deep Well	23	0.38	82.61	6.1	0.3	47.62	1.0
AMB-054	Abbeville Deep Well	27	0.44	84.62	6.2	0.31	43.06	1.1
AMB-055	Starr Shallow Well	19	0.31	54.39	4.8	0.24	48	1.6
AMB-055	Starr Shallow Well	18	0.3	85.71	4.2	0.21	45.65	1.5
AMB-055	Starr Shallow Well	26	0.43	53.75	8.1	0.4	38.46	3.8
AMB-056	Blacksburg-walker	27	0.44	83.02	6.7	0.33	48.53	2.8
AMB-056	Blacksburg-walker	28	0.46	82.14	6.3	0.31	48.44	2.7
AMB-057	#11	61	1	76.92	10	0.5	32.05	4.4

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-042	Hidden Valley	25	0.02	1	0.04	<1	0	50
AMB-042	Hidden Valley	20	0.02	1.3	0.06	<1	0	60
AMB-042	Hidden Valley	0	0	1.2	0.05	<1	0	71.43
AMB-043	Town of Clio	10.71	0.03	3.7	0.16	<1	0	57.14
AMB-043	Town of Clio	7.5	0.03	5.2	0.23	2	0.05	70
AMB-043	Town of Clio	9.09	0.03	3.9	0.17	2	0.05	66.67
AMB-043	Town of Clio	8.33	0.03	4.2	0.18	2.3	0.06	66.67
AMB-044	Hatchery #1	19.23	0.05	2.2	0.1	<1	0	38.46
AMB-044	Hatchery #1	12.2	0.05	2.2	0.1	6	0.15	60.98
AMB-044	Hatchery #1	12	0.06	2.2	0.1	8	0.2	60
AMB-044	Hatchery #1	16.33	0.08	2.1	0.09	7.5	0.19	57.14
AMB-045	Lakes	22.22	0.02	1.1	0.05	<1	0	55.56
AMB-045	Lakes	50	0.02	<1	0	<1	0	0
AMB-045	Lakes	25	0.02	1	0.04	<1	0	50
AMB-045	Lakes	0	0	1	0.04	<1	0	66.67
AMB-046	Spring Valley	15	0.03	3.4	0.15	<1	0	75
AMB-046	Spring Valley	17.65	0.03	2.8	0.12	<1	0	70.59
AMB-046	Spring Valley	16.67	0.04	4.1	0.18	<1	0	75
AMB-047	Hopkins	50	0.01	<1	0	<1	0	0
AMB-047	Hopkins	50	0.01	<1	0	<1	0	0
AMB-047	Hopkins	50	0.01	<1	0	<1	0	0
AMB-047	Hopkins	0	0	0.90	0.04	<1	0	80
AMB-048	North of Eastover	38.46	0.05	1.3	0.06	<1	0	46.15
AMB-048	North of Eastover	31.25	0.05	1.1	0.05	2	0.05	62.5
AMB-049	Sumter Plant #1	27.78	0.05	2	0.09	<1	0	50
AMB-049	Sumter Plant #1	24	0.06	2.1	0.09	2	0.05	56
AMB-049	Sumter Plant #1	20.83	0.05	2.4	0.1	2	0.05	62.5
AMB-049	Sumter Plant #1	21.43	0.06	2.5	0.11	2.2	0.06	60.71
AMB-050	Town of Hemingway	0.28	0.02	160	6.96	<1	0	99
AMB-050	Town of Hemingway	0.27	0.02	170	7.39	1	0.03	99.07
AMB-050	Town of Hemingway	0.25	0.02	180	7.83	2	0.05	99.12
AMB-050	Town of Hemingway	0.28	0.02	160	6.96	1.5	0.04	99.01
AMB-051	Allendale Industrial Park	8	0.08	12	0.52	<1	0	52
AMB-051	Allendale Industrial Park	8.41	0.09	10	0.43	6	0.15	54.21
AMB-052	primary school	7.03	0.13	27	1.17	<1	0	63.24
AMB-053	Corner	1.2	0.19	350	15.22	8	0.2	97.35
AMB-053	Corner	32.67	1.65	36	1.57	11	0.28	36.63
AMB-053	Corner	28.01	1.56	57	2.48	15	0.38	51.35
AMB-053	Corner	26.67	1.4	51	2.22	13	0.33	48.57
AMB-054	Abbeville Deep Well	13.89	0.1	6.3	0.27	<1	0	37.5
AMB-054	Abbeville Deep Well	12.7	0.08	5.7	0.25	<1	0	39.68
AMB-054	Abbeville Deep Well	12.5	0.09	6.3	0.27	2	0.05	44.44
AMB-055	Starr Shallow Well	26	0.13	2.3	0.1	1.3	0.03	26
AMB-055	Starr Shallow Well	26.09	0.12	2.2	0.1	1.1	0.03	28.26
AMB-055	Starr Shallow Well	29.81	0.31	6.5	0.28	2	0.05	31.73
AMB-056	Blacksburg-walker	33.82	0.23	1.1	0.05	2.7	0.07	17.65
AMB-056	Blacksburg-walker	34.37	0.22	1.2	0.05	2.2	0.06	17.19
AMB-057	#11	23.08	0.36	16	0.7	<1	0	44.87

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-042	Hidden Valley		<.005	<.05	<.01	0.03	
AMB-042	Hidden Valley	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-042	Hidden Valley	<.1	<.005	<.05	0.019	<.02	<.05
AMB-043	Town of Clio	<0.1	<.005	<.05	0.01	0.35	<.05
AMB-043	Town of Clio	<0.1	<.005	<.05	<.01	0.40	<.05
AMB-043	Town of Clio	<.1	<.005	<.05	<.01	0.49	<.05
AMB-043	Town of Clio	<0.10	<0.0050	<0.050	<0.010	0.40	<0.050
AMB-044	Hatchery #1	<0.1	<.005	<.05	<.05	0.98	<.05
AMB-044	Hatchery #1	<0.1	<.005	0.08	<.05	1.2	<.05
AMB-044	Hatchery #1		<.005	0.09	<.01	1.5	<.05
AMB-044	Hatchery #1	<.1	<.005	0.088	<.01	1.2	<.05
AMB-045	Lakes	<0.1	<.005		0.09	0.15	<.05
AMB-045	Lakes	<0.1	<.005	<.05	0.03	0.09	<.05
AMB-045	Lakes	<0.1	<.005	<.05	<.01	0.17	<.05
AMB-045	Lakes	<.1	<.005	<.05	0.021	0.35	<.05
AMB-046	Spring Valley	<0.1	<.005		<.05	<.05	<.05
AMB-046	Spring Valley	0.10	<.005		0.01		
AMB-046	Spring Valley	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-047	Hopkins	<0.1	<.005		<.05	<.05	<.05
AMB-047	Hopkins	<0.1	<.005		0.01	<.05	<.05
AMB-047	Hopkins	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-047	Hopkins	<.1	<.005	<.05	<.01	<.02	<.05
AMB-048	North of Eastover	0.10	<.005		<.05	1.8	<.05
AMB-048	North of Eastover	0.15	<.005	0.05		1.9	
AMB-049	Sumter Plant #1	<0.1	<.005	0.07	<.01	3.20	<.05
AMB-049	Sumter Plant #1	0.16	<.005	0.07	<.01	3.30	<.05
AMB-049	Sumter Plant #1	<.1	<.005	<.05	<.01	2.9	<.05
AMB-049	Sumter Plant #1	1.8	<0.0050	0.065	<0.010	3.1	<0.050
AMB-050	Town of Hemingway	1.88	<.005	<.05	<.01	0.06	<.05
AMB-050	Town of Hemingway	1.46	<.005	<.05	<.01	<.02	<.05
AMB-050	Town of Hemingway	1.82	<.005	0.06	<.01	<.02	<.05
AMB-050	Town of Hemingway	<0.10	<0.0050	<0.050	<0.010	<0.020	<0.050
AMB-051	Allendale Industrial Park	0.30	<.005	<.05	<.05	1.1	<.05
AMB-051	Allendale Industrial Park	0.25	<.005	0.06	<.01	0.56	<.05
AMB-052	primary school	0.20	<.005	<.05	<.05	0.13	<.05
AMB-053	Corner	1.76	<.005	<.05	<.01	<.01	<.05
AMB-053	Corner	0.84	<.005	<.05	<.01	<.02	<.05
AMB-053	Corner	0.87	<.005	<.05	<.01	0.08	<.05
AMB-053	Corner	0.85	<.005	<.05	<.01	0.082	<.05
AMB-054	Abbeville Deep Well	0.14	<.005	<.05	<.01	<.01	<.05
AMB-054	Abbeville Deep Well	<0.1	<.005	<.05	<.01	<.02	<.01
AMB-054	Abbeville Deep Well	<.1	<.005	<.05	<.01	<.02	<.05
AMB-055	Starr Shallow Well	<0.1	<.005	<.05	0.04	0.06	<.05
AMB-055	Starr Shallow Well	<0.1	<.005	<.05	0.02	0.06	<.05
AMB-055	Starr Shallow Well	<.1	<.005	0.07	0.02	1.8	<.05
AMB-056	Blacksburg-walker	0.18	<.005	<.05	<.01	0.01	<.05
AMB-056	Blacksburg-walker	<0.1	<.005	<.05	<.01	0.02	<.05
AMB-057	#11	0.20	<.005	<.05	<.05	0.14	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-042	Hidden Valley		0.06	0.05			
AMB-042	Hidden Valley	<.01	<.01	0.06	<.003	0.06	<.02
AMB-042	Hidden Valley	<.01	0.015	<.1	<.003	<.1	<.02
AMB-043	Town of Clio	0.02	0.02	<.05	<.003	<.02	<.02
AMB-043	Town of Clio	0.02	0.01	<.05	<.003	<.03	<.02
AMB-043	Town of Clio	0.02	0.03	<.1	<.003	<.1	<.02
AMB-043	Town of Clio	0.014	0.023	<.10	0.0065	<.10	<.020
AMB-044	Hatchery #1	<.05	<.05	<.05	<.001	<.05	<.05
AMB-044	Hatchery #1	0.03	<.05	<.05	<.001	<.05	<.02
AMB-044	Hatchery #1	0.04	<.01	<.1	<.003	<.03	<.02
AMB-044	Hatchery #1	0.03	<.01	<.1	<.003	<.1	<.02
AMB-045	Lakes	<.05					
AMB-045	Lakes	<.01	0.17	0.09			
AMB-045	Lakes	<.01	<.01	<.05	<.003	<.03	<.02
AMB-045	Lakes	<.01	<.01	<.1	<.003	<.1	<.02
AMB-046	Spring Valley	<.05					
AMB-046	Spring Valley		<.01			0.03	
AMB-046	Spring Valley	<.01	<.01	0.06	<.003	0.13	<.02
AMB-047	Hopkins	<.05					
AMB-047	Hopkins	<.05	<.01				
AMB-047	Hopkins	<.01	<.01	<.05	<.003	<.03	<.02
AMB-047	Hopkins	<.01	<.01	<.1	<.003	<.1	<.02
AMB-048	North of Eastover	<.05					
AMB-048	North of Eastover	0.02	0.47	0.09			
AMB-049	Sumter Plant #1	0.04	0.02	<.05	0.00	<.02	<.02
AMB-049	Sumter Plant #1	0.05	0.02	<.05	<.003	<.03	<.02
AMB-049	Sumter Plant #1	0.04	0.02	<.1	<.003	<.1	<.02
AMB-049	Sumter Plant #1	0.039	0.039	<.10	<.0030	<.10	<.020
AMB-050	Town of Hemingway	<.01	<.01	<.05	<.001	1.70	<.02
AMB-050	Town of Hemingway	<.01	<.01	<.05	<.003	1.80	<.02
AMB-050	Town of Hemingway	<.01	<.01	<.1	<.003	2	<.02
AMB-050	Town of Hemingway	<.010	<.010	<.10	<.0030	1.8	<.020
AMB-051	Allendale Industrial Park	<.05	<.05	<.05	<.001	<.05	<.05
AMB-051	Allendale Industrial Park	0.01	<.01	<.1	<.003	<.1	<.02
AMB-052	primary school	<.05	1.70	<.05	<.001	0.07	<.05
AMB-053	Corner	<.01	<.01	<.05	<.001	2.50	<.02
AMB-053	Corner	<.01	<.01	<.05	<.003	0.10	<.02
AMB-053	Corner	<.01	<.01	<.1	<.003	0.15	<.02
AMB-053	Corner	<.01	<.01	<.1	<.003	0.13	<.02
AMB-054	Abbeville Deep Well	0.01	0.01	<.05	<.001	0.02	<.02
AMB-054	Abbeville Deep Well	<.01	<.05	<.05	<.003	<.02	<.02
AMB-054	Abbeville Deep Well	<.01	<.01	<.1	<.003	<.1	<.02
AMB-055	Starr Shallow Well	0.01	0.01	0.15	<.001	0.05	<.02
AMB-055	Starr Shallow Well	<.01	<.01	0.13	<.003	<.03	<.02
AMB-055	Starr Shallow Well	<.01	0.16	<.1	<.003	<.1	<.02
AMB-056	Blacksburg-walker	<.01	0.04	<.05	<.001	<.02	<.02
AMB-056	Blacksburg-walker	<.01	0.03	<.05	<.003	<.05	<.02
AMB-057	#11	<.05	<.01	<.05	<.001	<.05	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-042	Hidden Valley	<.0002					
AMB-042	Hidden Valley	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-042	Hidden Valley	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-043	Town of Clio	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-043	Town of Clio	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-043	Town of Clio	<.0002	20	<.005	<.03	<.5	<.15
AMB-043	Town of Clio	<0.00020	<0.020	<0.0020	<0.030	<0.50	<0.15
AMB-044	Hatchery #1	<.0002	<.02	<.005	<.05	<1	<.05
AMB-044	Hatchery #1						
AMB-044	Hatchery #1	<.0002	<.02	<.005	<.03	<.5	180
AMB-044	Hatchery #1	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-045	Lakes						
AMB-045	Lakes	<.0002					
AMB-045	Lakes	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-045	Lakes	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-046	Spring Valley						
AMB-046	Spring Valley	<.0002					
AMB-046	Spring Valley	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-047	Hopkins						
AMB-047	Hopkins	<.0002					
AMB-047	Hopkins	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-047	Hopkins	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-048	North of Eastover						
AMB-048	North of Eastover	<.0002					
AMB-049	Sumter Plant #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-049	Sumter Plant #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-049	Sumter Plant #1	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-049	Sumter Plant #1	<0.00020	<0.020	<0.0020	<0.030	<0.50	<0.15
AMB-050	Town of Hemingway	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-050	Town of Hemingway	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-050	Town of Hemingway	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-050	Town of Hemingway	<0.00020	<0.020	<0.0020	<0.030	<0.50	<0.15
AMB-051	Allendale Industrial Park	<.0002	<.02	<.005	<.05	<1	<.05
AMB-051	Allendale Industrial Park	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-052	primary school	<.0002	<.02	<.005	<.05	<1	0.07
AMB-053	Corner	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-053	Corner	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-053	Corner	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-053	Corner	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-054	Abbeville Deep Well	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-054	Abbeville Deep Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-054	Abbeville Deep Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-055	Starr Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-055	Starr Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-055	Starr Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-056	Blacksburg-walker	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-056	Blacksburg-walker	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-057	#11						

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-042	Hidden Valley						3.1	
AMB-042	Hidden Valley	<.01	<.01	<.02	<.01	<.05	6.1	<.01
AMB-042	Hidden Valley	<.01	<.01	<.02	<.01	<.05	6.4	<.01
AMB-043	Town of Clio	<.01	<.01	<.02	0.01	<.05	12	0.02
AMB-043	Town of Clio	<.01	<.01	<.02	0.01	<.05	14	0.01
AMB-043	Town of Clio	<.01	<.01	<.02	<.01	<.05	12	0.02
AMB-043	Town of Clio	<0.010	<0.010	<0.020	<0.010	<0.050	13	0.014
AMB-044	Hatchery #1	<.01	<.05	<.05	<.05	<.2	17	<.05
AMB-044	Hatchery #1				0.03			
AMB-044	Hatchery #1	<.01	<.01	<.02	0.02	<.05	16	0.04
AMB-044	Hatchery #1	<.01	<.01	<.02	0.032	<.05	21	0.040
AMB-045	Lakes	<.01	<.05					
AMB-045	Lakes	<.01	<.05				3.6	
AMB-045	Lakes	<.01	<.05	<.02	<.01	<.05	6.3	<.01
AMB-045	Lakes	<.01	<.01	<.02	<.01	<.05	6.5	<.01
AMB-046	Spring Valley	<.01	<.05					
AMB-046	Spring Valley							
AMB-046	Spring Valley	<.01	<.01	<.02	<.01	<.05	4.7	<.01
AMB-047	Hopkins	<.01	<.05					
AMB-047	Hopkins							
AMB-047	Hopkins	<.01	<.01	<.02	<.01	<.05	7.3	<.01
AMB-047	Hopkins	<.01	<.01	<.02	<.01	<.05	7.7	<.01
AMB-048	North of Eastover	<.01	<.05					
AMB-048	North of Eastover				0.02			0.01
AMB-049	Sumter Plant #1	<.01	<.01	<.02	0.03	<.05	16	0.01
AMB-049	Sumter Plant #1	<.01	<.01	<.02	0.03	<.05	6.2	0.01
AMB-049	Sumter Plant #1	<.01	<.01	<.02	0.03	<.05	12	0.01
AMB-049	Sumter Plant #1	<0.010	<0.010	<0.020	0.030	<0.050	12	0.014
AMB-050	Town of Hemingway	<.01	<.01	<.02	0.01	<.05	15	0.03
AMB-050	Town of Hemingway	<.01	<.01	<.02	<.01	<.05	13	0.03
AMB-050	Town of Hemingway	<.01	<.01	<.02	<.01	<.05	14	0.03
AMB-050	Town of Hemingway	<0.010	<0.010	<0.020	<0.010	<0.050	16	0.035
AMB-051	Allendale Industrial Park	<.01	<.05	<.05	<.05	<.2	13	0.06
AMB-051	Allendale Industrial Park	<.01	<.01	<.02	<.01	<.05	14	0.06
AMB-052	primary school	<.01	<.05	<.05	<.05	<.2	11	0.07
AMB-053	Corner	<.01	<.01	<.02	0.03	<.05	19	0.18
AMB-053	Corner	<.01	<.01	<.02	0.01	<.05	0.04	0.36
AMB-053	Corner	<.01	<.01	<.02	0.02	<.05	34	0.25
AMB-053	Corner	<.01	<.01	<.02	0.012	<.05	39	0.25
AMB-054	Abbeville Deep Well	<.01	<.01	<.02	0.01	<.05	28	0.02
AMB-054	Abbeville Deep Well	<.01	<.01	<.02	<.01	<.05	23	0.02
AMB-054	Abbeville Deep Well	<.01	<.01	<.02	<.01	<.05	25	0.03
AMB-055	Starr Shallow Well	<.01	0.01	<.02	0.01	<.05	17	0.02
AMB-055	Starr Shallow Well	<.01	<.01	<.02	<.01	<.05	17	0.02
AMB-055	Starr Shallow Well	<.01	<.01	<.02	<.01	<.05	13	0.05
AMB-056	Blacksburg-walker	<.01	<.01	<.02	<.01	<.05	12	<.01
AMB-056	Blacksburg-walker	<.01	<.01	<.02	<.01	<.05	34	0.01
AMB-057	#11	<.01	<.05					

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-042	Hidden Valley	0.30	0.33
AMB-042	Hidden Valley	0.39	ND
AMB-042	Hidden Valley	0.41	ND
AMB-043	Town of Clio	0.24	ND
AMB-043	Town of Clio	0.14	ND
AMB-043	Town of Clio	<.02	ND
AMB-043	Town of Clio	0.10	
AMB-044	Hatchery #1	<.02	0.13
AMB-044	Hatchery #1		
AMB-044	Hatchery #1	0.02	ND
AMB-044	Hatchery #1	<.02	ND
AMB-045	Lakes	0.36	
AMB-045	Lakes	0.17	0.18
AMB-045	Lakes	0.36	ND
AMB-045	Lakes	0.35	0.13
AMB-046	Spring Valley	1.34	
AMB-046	Spring Valley	1.03	
AMB-046	Spring Valley	1.55	0.12
AMB-047	Hopkins	0.22	
AMB-047	Hopkins	0.16	
AMB-047	Hopkins	0.20	ND
AMB-047	Hopkins	0.21	0.15
AMB-048	North of Eastover	0.03	
AMB-048	North of Eastover	0.02	
AMB-049	Sumter Plant #1	0.03	0.14
AMB-049	Sumter Plant #1	0.02	ND
AMB-049	Sumter Plant #1	<.02	ND
AMB-049	Sumter Plant #1	<0.020	0.27
AMB-050	Town of Hemingway	0.28	0.18
AMB-050	Town of Hemingway	<.02	0.7
AMB-050	Town of Hemingway	<.02	0.22
AMB-050	Town of Hemingway	0.060	0.33
AMB-051	Allendale Industrial Park	<.02	0.17
AMB-051	Allendale Industrial Park	<.02	ND
AMB-052	primary school	0.18	0.15
AMB-053	Corner	0.02	0.52
AMB-053	Corner	<.02	0.17
AMB-053	Corner	4.4	0.29
AMB-053	Corner	<.02	0.45
AMB-054	Abbeville Deep Well	1.54	0.17
AMB-054	Abbeville Deep Well	2	0.01
AMB-054	Abbeville Deep Well	1.79	ND
AMB-055	Starr Shallow Well	0.68	0.14
AMB-055	Starr Shallow Well	0.86	ND
AMB-055	Starr Shallow Well	2.4	0.51
AMB-056	Blacksburg-walker	0.29	ND
AMB-056	Blacksburg-walker	0.43	ND
AMB-057	#11	0.20	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-057	#11	34.3944028	-81.2921	Fairfield	Broad
AMB-057	#11	34.3944028	-81.2921	Fairfield	Broad
AMB-058	Town of Ridgeway	34.3052833	-80.9610556	Fairfield	Catawba
AMB-058	Town of Ridgeway	34.3052833	-80.9610556	Fairfield	Catawba
AMB-058	Town of Ridgeway	34.3052833	-80.9610556	Fairfield	Catawba
AMB-058	Town of Ridgeway	34.3052833	-80.9610556	Fairfield	Catawba
AMB-059	Park	34.4357361	-80.8634917	Fairfield	Catawba
AMB-059	Park	34.4357361	-80.8634917	Fairfield	Catawba
AMB-059	Park	34.4357361	-80.8634917	Fairfield	Catawba
AMB-059	Park	34.4357361	-80.8634917	Fairfield	Catawba
AMB-060	Town of Jenkinsville #4	34.3676472	-81.29315	Fairfield	Broad
AMB-060	Town of Jenkinsville #4	34.3676472	-81.29315	Fairfield	Broad
AMB-060	Town of Jenkinsville #4	34.3676472	-81.29315	Fairfield	Broad
AMB-061	Town of Mauldin	34.7795722	-82.2184889	Greenville	Broad
AMB-062	Fork Shoals	34.5639889	-82.3274444	Greenville	Saluda-Edisto
AMB-062	Fork Shoals	34.5639889	-82.3274444	Greenville	Saluda-Edisto
AMB-063	Town of Gilbert	33.9177333	-81.3937	Lexington	Saluda-Edisto
AMB-063	Town of Gilbert	33.9177333	-81.3937	Lexington	Saluda-Edisto
AMB-063	Town of Gilbert	33.9177333	-81.3937	Lexington	Saluda-Edisto
AMB-063	Town of Gilbert	33.9177333	-81.3937	Lexington	Saluda-Edisto
AMB-064	Town of Little Mountain	34.1950722	-81.4126389	Newberry	Broad
AMB-064	Town of Little Mountain	34.1950722	-81.4126389	Newberry	Broad
AMB-064	Town of Little Mountain	34.1950722	-81.4126389	Newberry	Broad
AMB-065	County	34.3928889	-81.4605	Newberry	Broad
AMB-065	County	34.3928889	-81.4605	Newberry	Broad
AMB-065	County	34.3928889	-81.4605	Newberry	Broad
AMB-066	systems	34.3130194	-81.5713028	Newberry	Broad
AMB-067	Town of Whitmire	34.5143194	-81.6449278	Newberry	Broad
AMB-067	Town of Whitmire	34.5143194	-81.6449278	Newberry	Broad
AMB-067	Town of Whitmire	34.5143194	-81.6449278	Newberry	Broad
AMB-068	Chappels	34.1899444	-81.9066417	Newberry	Saluda-Edisto
AMB-068	Chappels	34.1899444	-81.9066417	Newberry	Saluda-Edisto
AMB-068	Chappels	34.1899444	-81.9066417	Newberry	Saluda-Edisto
AMB-068	Chappels	34.1899444	-81.9066417	Newberry	Saluda-Edisto
AMB-069	Newberry-Edna Martin	34.3293472	-81.5367778	Newberry	Broad
AMB-069	Newberry-Edna Martin	34.3293472	-81.5367778	Newberry	Broad
AMB-070	Mountain rest	34.8125389	-83.1410861	Oconee	Sav-Salk
AMB-070	Mountain rest	34.8125389	-83.1410861	Oconee	Sav-Salk
AMB-070	Mountain rest	34.8125389	-83.1410861	Oconee	Sav-Salk
AMB-071	Town of Pickens	35.0411694	-82.6571528	Pickens	Saluda-Edisto
AMB-071	Town of Pickens	35.0411694	-82.6571528	Pickens	Saluda-Edisto
AMB-071	Town of Pickens	35.0411694	-82.6571528	Pickens	Saluda-Edisto
AMB-072	Town of Ballentine	34.1236306	-81.2602361	Richland	Saluda-Edisto
AMB-072	Town of Ballentine	34.1236306	-81.2602361	Richland	Saluda-Edisto
AMB-072	Town of Ballentine	34.1236306	-81.2602361	Richland	Saluda-Edisto
AMB-073	Town of Union	34.7375222	-81.6614389	Union	Broad
AMB-073	Town of Union	34.7375222	-81.6614389	Union	Broad
AMB-074	Guthries	34.9077528	-81.1939972	York	Catawba

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-057	#11	Piedmont Bedrock	01-Dec-91	6.4	82	86	17
AMB-057	#11	Piedmont Bedrock	01-May-97	6.3	86	90	17
AMB-058	Town of Ridgeway	Piedmont Bedrock	01-May-87	6.3	245	<1	100
AMB-058	Town of Ridgeway	Piedmont Bedrock	01-Dec-91	7.6	145	110	60
AMB-058	Town of Ridgeway	Piedmont Bedrock	01-May-97	7.6	170	130	23
AMB-058	Town of Ridgeway	Piedmont Bedrock	01-May-02	7.7	181	110	67
AMB-059	Park	Piedmont Bedrock	01-May-87	6.3	120	<1	51
AMB-059	Park	Piedmont Bedrock	01-Dec-91	7.1	153	110	26
AMB-059	Park	Piedmont Bedrock	01-May-97	6.9	137	95	65
AMB-059	Park	Piedmont Bedrock	01-May-02	7	144	120	55
AMB-060	Town of Jenkinsville #4	Piedmont Bedrock	01-May-87	7.1	103	72	37
AMB-060	Town of Jenkinsville #4	Piedmont Bedrock	01-Dec-91	6.8	104	92	34
AMB-060	Town of Jenkinsville #4	Piedmont Bedrock	01-May-97	6.6	91	80	26
AMB-061	Town of Mauldin	Saprolite	01-Apr-90	5.2	180	48	9.0
AMB-062	Fork Shoals	ABANDONED	01-Apr-90	6.7	143	62	20
AMB-062	Fork Shoals	ABANDONED	01-Apr-95	6.8	75	66	23
AMB-063	Town of Gilbert	Piedmont Bedrock	01-May-87	8.0	108	92	27
AMB-063	Town of Gilbert	Piedmont Bedrock	01-Dec-91	8.0	110	120	28
AMB-063	Town of Gilbert	Piedmont Bedrock	01-May-97	7.9		110	28
AMB-063	Town of Gilbert	Piedmont Bedrock	15-May-01	6.9	58.1	34	
AMB-064	Town of Little Mountain	Piedmont Bedrock	01-May-87	6.8	130	84	44
AMB-064	Town of Little Mountain	Piedmont Bedrock	01-Dec-91	6.9		42	7.0
AMB-064	Town of Little Mountain	Piedmont Bedrock	01-May-97	6.9	160	130	56
AMB-065	County	Piedmont Bedrock	01-May-87	6.5	122	<1	47
AMB-065	County	Piedmont Bedrock	01-Dec-91	7.2	132	140	44
AMB-065	County	Piedmont Bedrock	01-May-97	7.3	126	76	44
AMB-066	systems	Piedmont Bedrock	01-May-87	6.6	109	74	31
AMB-067	Town of Whitmire	Piedmont Bedrock	01-May-87	6.5	170	<1	68
AMB-067	Town of Whitmire	Piedmont Bedrock	01-Dec-91	6.8	211	180	75
AMB-067	Town of Whitmire	Piedmont Bedrock	01-May-97	7.0	272	170	100
AMB-068	Chappels	Piedmont Bedrock	01-May-87	7.3	176	130	65
AMB-068	Chappels	Piedmont Bedrock	01-Dec-91	7.2	195	180	72
AMB-068	Chappels	Piedmont Bedrock	01-May-97	7.0	186	130	75
AMB-068	Chappels	Piedmont Bedrock	15-May-01	6.9	197	150	
AMB-069	Newberry-Edna Martin	Saprolite	01-Apr-90	5.9	140	110	28
AMB-069	Newberry-Edna Martin	Saprolite	01-Apr-95	6.2	183	130	41
AMB-070	Mountain rest	Saprolite	01-Apr-90	5.2	38	26	6.0
AMB-070	Mountain rest	Saprolite	01-Apr-95	5.3	32	22	5.0
AMB-070	Mountain rest	Saprolite	01-Jul-00	5.3	27.2		4
AMB-071	Town of Pickens	Saprolite	01-Apr-90	6.4	36	24	15
AMB-071	Town of Pickens	Saprolite	01-Apr-95	5.9	22	8	2
AMB-071	Town of Pickens	Saprolite	15-May-01	5.9	22.5	4	
AMB-072	Town of Ballentine	Piedmont Bedrock	01-May-87	6.5	178	110	86
AMB-072	Town of Ballentine	Piedmont Bedrock	01-Dec-91	6.0	142	110	45
AMB-072	Town of Ballentine	Piedmont Bedrock	15-May-01	6.8	458	250	
AMB-073	Town of Union	Union	01-Apr-90	6.8	60	60	23
AMB-073	Town of Union	Union	01-Apr-95	6.3	62	50	17
AMB-074	Guthries	Piedmont Bedrock	01-Apr-90	7.1	98	90	45

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-057	#11		2.5	0.07	63.64 <10		0	0
AMB-057	#11	2.1	3.1	0.09	13.43 7		0.15	22.39
AMB-058	Town of Ridgeway	1.4	21.5	0.61	26.41 13		0.27	11.69
AMB-058	Town of Ridgeway		3.2	0.09	7.56 <10		0	0
AMB-058	Town of Ridgeway	4.2	3.0	0.08	5.41 9		0.19	12.84
AMB-058	Town of Ridgeway	<2	3.4	0.1	6.41 5.9		0.12	7.69
AMB-059	Park	<1	3.0	0.08	6.78 <10		0	0
AMB-059	Park		2.4	0.07	5.47 <10		0	0
AMB-059	Park	<2	2.4	0.07	7.07 <5		0	0
AMB-059	Park	<2	2.6	0.07	5.98 <5		0	0
AMB-060	Town of Jenkinsville #4	<1	4.0	0.11	14.29 <10		0	0
AMB-060	Town of Jenkinsville #4		4.9	0.14	19.18 <10		0	0
AMB-060	Town of Jenkinsville #4	<2	4.7	0.13	27.66 <5		0	0
AMB-061	Town of Mauldin	1.1	5.7	0.16	38.1 11		0.23	54.76
AMB-062	Fork Shoals	1.4	2.9	0.08	16.33 <10		0	0
AMB-062	Fork Shoals	2.7	2.7	0.08	15.38 <5		0	0
AMB-063	Town of Gilbert	<1	1.5	0.04	3.67 10		0.21	19.27
AMB-063	Town of Gilbert	2.3	1.4	0.04	3.33 14		0.29	24.17
AMB-063	Town of Gilbert	<2	1.6	0.05	5.26 7		0.15	15.79
AMB-063	Town of Gilbert	3.1	2.5	0.07	21.88 <5		0	0
AMB-064	Town of Little Mountain	1.1	5.0	0.14	13.21 <10		0	0
AMB-064	Town of Little Mountain	1.9	13.8	0.39	21.67 0		0	0
AMB-064	Town of Little Mountain	2.5	5.8	0.16	14.04 <5		0	0
AMB-065	County	<1	3.0	0.08	6.25 11		0.23	17.97
AMB-065	County		3.9	0.11	10.09 <10		0	0
AMB-065	County	<2	3.0	0.08	8.89 <5		0	0
AMB-066	systems	<1	5.0	0.14	16.87 <10		0	0
AMB-067	Town of Whitmire	<1	3.5	0.1	5.26 11		0.23	12.11
AMB-067	Town of Whitmire		60	1.69	49.85 <10		0	0
AMB-067	Town of Whitmire	5.4	4.3	0.12	5.24 6		0.12	5.24
AMB-068	Chappels	<1	5.0	0.14	7.61 <10		0	0
AMB-068	Chappels		5.8	0.16	7.62 12		0.25	11.9
AMB-068	Chappels	3.5	4.6	0.13	8.61 <5		0	0
AMB-068	Chappels	<2	5.1	0.14	7.45 5.8		0.12	6.38
AMB-069	Newberry-Edna Martin	2.7	16.1	0.45	57.69 <10		0	0
AMB-069	Newberry-Edna Martin	3.5	17.6	0.5	50.51 <5		0	0
AMB-070	Mountain rest	3.9	6.6	0.19	35.19 13		0.27	50
AMB-070	Mountain rest	3.0	2.2	0.06	42.86 <5		0	0
AMB-070	Mountain rest	<2	2.1	0.06	42.86 <5		0	0
AMB-071	Town of Pickens	1.1	1.5	0.04	11.76 <10		0	0
AMB-071	Town of Pickens	2.2	1.0	0.03	16.67 <5		0	0
AMB-071	Town of Pickens	<2	1	0.03	20 <5		0	0
AMB-072	Town of Ballentine	<1	9.5	0.27	14.14 10		0.21	10.99
AMB-072	Town of Ballentine	7.8	14.1	0.4	29.41 13		0.27	19.85
AMB-072	Town of Ballentine	<2	72	2.03	46.77 8.6		0.18	4.15
AMB-073	Town of Union	2.4	1.8	0.05	8.93 <10		0	0
AMB-073	Town of Union	2.2	2.3	0.06	12.24 <5		0	0
AMB-074	Guthries	1.4	1.8	0.05	5.62 <10		0	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%-	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-057	#11	2.5	0.04	36.36	4.9	0.24	32	1.1
AMB-057	#11	26	0.43	64.18	5	0.25	30.12	1.2
AMB-058	Town of Ridgeway	87	1.43	61.9	25	1.25	49.02	10
AMB-058	Town of Ridgeway	67	1.1	92.44	14	0.7	42.68	6
AMB-058	Town of Ridgeway	74	1.21	81.76	6.5	0.32	42.11	1.7
AMB-058	Town of Ridgeway	82	1.34	85.9	16.0	0.8	43.96	6.6
AMB-059	Park	67	1.1	93.22	16	0.8	57.55	2.8
AMB-059	Park	74	1.21	94.53	7.4	0.37	45.68	1.8
AMB-059	Park	56	0.92	92.93	15	0.75	42.37	6.6
AMB-059	Park	67	1.1	94.02	17.0	0.85	57.43	3
AMB-060	Town of Jenkinsville #4	40	0.66	85.71	9.6	0.48	44.86	3.1
AMB-060	Town of Jenkinsville #4	36	0.59	80.82	8.5	0.42	41.18	3
AMB-060	Town of Jenkinsville #4	21	0.34	72.34	6.1	0.3	33.71	2.5
AMB-061	Town of Mauldin	2	0.03	7.14	2.9	0.14	31.82	0.34
AMB-062	Fork Shoals	25	0.41	83.67	7	0.35	54.69	0.61
AMB-062	Fork Shoals	27	0.44	84.62	8.4	0.42	58.33	0.5
AMB-063	Town of Gilbert	51	0.84	77.06	7.7	0.38	34.55	1.8
AMB-063	Town of Gilbert	53	0.87	72.5	8	0.4	35.4	1.9
AMB-063	Town of Gilbert	46	0.75	78.95	8.1	0.4	33.33	1.8
AMB-063	Town of Gilbert	15	0.25	78.12	1.2	0.06	10.53	1
AMB-064	Town of Little Mountain	56	0.92	86.79	10	0.5	38.17	4.6
AMB-064	Town of Little Mountain	86	1.41	78.33	40.1	2	44.64	28.5
AMB-064	Town of Little Mountain	60	0.98	85.96	13	0.65	41.67	5.6
AMB-065	County	59	0.97	75.78	15	0.75	57.69	2.2
AMB-065	County	60	0.98	89.91	14	0.7	55.56	2.3
AMB-065	County	50	0.82	91.11	14	0.7	53.85	2.2
AMB-066	systems	42	0.69	83.13	7.8	0.39	38.61	2.7
AMB-067	Town of Whitmire	96	1.57	82.63	15	0.75	39.89	7.4
AMB-067	Town of Whitmire	104	1.7	50.15	18	0.9	42.25	7.4
AMB-067	Town of Whitmire	125	2.05	89.52	27	1.35	48.21	8.9
AMB-068	Chappels	104	1.7	92.39	14	0.7	41.67	7.3
AMB-068	Chappels	103	1.69	80.48	0.50	0.02	1.83	8.5
AMB-068	Chappels	84	1.38	91.39	16	0.8	41.45	8.6
AMB-068	Chappels	99	1.62	86.17	18	0.9	41.67	10
AMB-069	Newberry-Edna Martin	20	0.33	42.31	8	0.4	32.79	2
AMB-069	Newberry-Edna Martin	30	0.49	49.49	12	0.6	37.97	2.7
AMB-070	Mountain rest	5	0.08	14.81	1.1	0.05	16.13	0.86
AMB-070	Mountain rest	5	0.08	57.14	0.7	0.03	14.29	0.68
AMB-070	Mountain rest	5	0.08	57.14	0.64	0.03	15.79	0.65
AMB-071	Town of Pickens	18	0.3	88.24	5.9	0.29	72.5	0.17
AMB-071	Town of Pickens	9	0.15	83.33	2.3	0.11	68.75	0.13
AMB-071	Town of Pickens	7.6	0.12	80	2.3	0.11	57.89	0
AMB-072	Town of Ballentine	87	1.43	74.87	29	1.45	69.38	3.30
AMB-072	Town of Ballentine	42	0.69	50.74	12	0.6	46.15	3.7
AMB-072	Town of Ballentine	130	2.13	49.08	0.15	0.01	0.23	0
AMB-073	Town of Union	31	0.51	91.07	8.2	0.41	57.75	0.67
AMB-073	Town of Union	26	0.43	87.76	5.7	0.28	47.46	0.75
AMB-074	Guthries	51	0.84	94.38	13	0.65	57.02	3

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-057	#11	12	0.09	9.7	0.42 <1		0	56
AMB-057	#11	12.05	0.1	11	0.48 <1		0	57.83
AMB-058	Town of Ridgeway	32.16	0.82	11	0.48 <1		0	18.82
AMB-058	Town of Ridgeway	29.88	0.49	8.6	0.37 3.1	0.08	27.44	
AMB-058	Town of Ridgeway	18.42	0.14	7	0.3 <1		0	39.47
AMB-058	Town of Ridgeway	29.67	0.54	9	0.39 3.6	0.09	26.37	
AMB-059	Park	16.55	0.23	8.3	0.36 <1		0	25.9
AMB-059	Park	18.52	0.15	6.7	0.29 <1		0	35.8
AMB-059	Park	30.51	0.54	9.1	0.4 3	0.08	27.12	
AMB-059	Park	16.89	0.25	8.1	0.35 1.2	0.03	25.68	
AMB-060	Town of Jenkinsville #4	24.3	0.26	7.7	0.33 <1		0	30.84
AMB-060	Town of Jenkinsville #4	24.51	0.25	7.2	0.31 1.5	0.04	34.31	
AMB-060	Town of Jenkinsville #4	23.6	0.21	7.7	0.33 2	0.05	42.7	
AMB-061	Town of Mauldin	6.82	0.03	5.5	0.24 1.2	0.03	61.36	
AMB-062	Fork Shoals	7.81	0.05	4.7	0.2 1.5	0.04	37.5	
AMB-062	Fork Shoals	5.56	0.04	4.9	0.21 2	0.05	36.11	
AMB-063	Town of Gilbert	13.64	0.15	13	0.57 <1		0	51.82
AMB-063	Town of Gilbert	14.16	0.16	12	0.52 2	0.05	50.44	
AMB-063	Town of Gilbert	12.5	0.15	13	0.57 3	0.08	54.17	
AMB-063	Town of Gilbert	14.04	0.08	8.8	0.38 1.8	0.05	75.44	
AMB-064	Town of Little Mountain	29.01	0.38	10	0.43 <1		0	32.82
AMB-064	Town of Little Mountain	52.46	2.35	1.2	0.05 3.1	0.08	2.9	
AMB-064	Town of Little Mountain	29.49	0.46	9.7	0.42 1	0.03	28.85	
AMB-065	County	13.85	0.18	8.4	0.37 <1		0	28.46
AMB-065	County	15.08	0.19	7.7	0.33 1.6	0.04	29.37	
AMB-065	County	13.85	0.18	8.4	0.37 2	0.05	32.31	
AMB-066	systems	21.78	0.22	9.1	0.4 <1		0	39.6
AMB-067	Town of Whitmire	32.45	0.61	12	0.52 <1		0	27.66
AMB-067	Town of Whitmire	28.64	0.61	11	0.48 5.6	0.14	29.11	
AMB-067	Town of Whitmire	26.07	0.73	13	0.57 6	0.15	25.71	
AMB-068	Chappels	35.71	0.6	8.8	0.38 <1		0	22.62
AMB-068	Chappels	64.22	0.7	8.6	0.37 <6		0	33.94
AMB-068	Chappels	36.79	0.71	9.6	0.42 <1		0	21.76
AMB-068	Chappels	37.96	0.82	9.4	0.41 1.2	0.03	20.37	
AMB-069	Newberry-Edna Martin	13.11	0.16	12	0.52 5.6	0.14	54.1	
AMB-069	Newberry-Edna Martin	13.92	0.22	14	0.61 6	0.15	48.1	
AMB-070	Mountain rest	22.58	0.07	3.7	0.16 1.3	0.03	61.29	
AMB-070	Mountain rest	28.57	0.06	2.8	0.12 <1		0	57.14
AMB-070	Mountain rest	26.32	0.05	2.6	0.11 <1		0	57.89
AMB-071	Town of Pickens	2.5	0.01	1.3	0.06 1.4	0.04	25	
AMB-071	Town of Pickens	6.25	0.01	1	0.04 <1		0	25
AMB-071	Town of Pickens	0	0	1	0.04 1.7	0.04	42.11	
AMB-072	Town of Ballentine	12.92	0.27	8.5	0.37 <1		0	17.7
AMB-072	Town of Ballentine	23.08	0.3	9.2	0.4 <1		0	30.77
AMB-072	Town of Ballentine	0	0	100	4.35 <1		0	99.77
AMB-073	Town of Union	8.45	0.06	4.4	0.19 1.8	0.05	33.8	
AMB-073	Town of Union	10.17	0.06	4.6	0.2 2	0.05	42.37	
AMB-074	Guthries	21.93	0.25	4.8	0.21 1	0.03	21.05	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-057	#11	0.17	<.005	<.05	0.01	<.05	<.05
AMB-057	#11	0.14	<.005	<.05	<.01	0.06	<.05
AMB-058	Town of Ridgeway	<0.1	<.005	<.05	<.05	<.05	<.05
AMB-058	Town of Ridgeway	0.15	<.005	<.05	<.05	<.05	<.05
AMB-058	Town of Ridgeway	0.12	<.005	<.05	<.01	0.03	<.05
AMB-058	Town of Ridgeway	0.14	<.005	<.05	<.01	0.028	<.05
AMB-059	Park	0.50	<.005	<.05	<.05	<.05	<.05
AMB-059	Park	0.28	<.005	<.05	<.05	<.05	<.05
AMB-059	Park	0.21	<.005	<.05	<.01	<.02	<.05
AMB-059	Park	0.49	<.005	<.05	<.01	<.02	<.05
AMB-060	Town of Jenkinsville #4	0.50	<.005	<.05	<.05	<.05	<.05
AMB-060	Town of Jenkinsville #4	0.43	<.005	<.05	<.05	<.05	<.05
AMB-060	Town of Jenkinsville #4	0.27	<.005	<.05	<.01	0.24	<.05
AMB-061	Town of Mauldin	<0.1	<.005	<.05	0.08	1.20	<.05
AMB-062	Fork Shoals	0.20	<.005	<.05	<.01	0.02	<.05
AMB-062	Fork Shoals	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-063	Town of Gilbert	0.60	<.005	<.05	<.05	<.05	<.05
AMB-063	Town of Gilbert	0.56	<.005	<.05	<.05	<.05	<.05
AMB-063	Town of Gilbert	0.57	<.005	<.05	<.01	<.02	<.05
AMB-063	Town of Gilbert	<.1	<.005	<.05	<.01	<.02	<.05
AMB-064	Town of Little Mountain	<0.1	<.005	<.05	<.05	<.05	<.05
AMB-064	Town of Little Mountain		<.005	<.05	<.05	<.05	<.05
AMB-064	Town of Little Mountain	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-065	County	0.20	<.005	<.05	<.05	<.05	<.05
AMB-065	County	0.22	<.005		0.02		
AMB-065	County	0.17	<.005	<.05	<.01	<.02	<.05
AMB-066	systems	0.20	<.005	<.05	<.05	<.05	<.05
AMB-067	Town of Whitmire	0.30	<.005	<.05	<.05	0.90	<.05
AMB-067	Town of Whitmire	0.30	<.005	<.05	0.02	0.23	<.05
AMB-067	Town of Whitmire	0.33	<.005	<.05	<.01	0.15	<.05
AMB-068	Chappels	0.10	<.005		<.05	0.11	<.05
AMB-068	Chappels	0.02	<.005			0.45	
AMB-068	Chappels	0.1	<.005	<.05	<.01	0.85	<.05
AMB-068	Chappels	0.1	<.005	<.05	0.05	1.4	<.05
AMB-069	Newberry-Edna Martin	<0.1	<.005	0.32	<.01	0.02	<.05
AMB-069	Newberry-Edna Martin	<0.1	<.005	0.34	<.01	0.03	<.05
AMB-070	Mountain rest	<0.1	<.005	<.05	0.09	0.01	<.05
AMB-070	Mountain rest	<0.1	<.005	<.05	0.02	<.02	<.05
AMB-070	Mountain rest	<.1	<.005	<.05	0.01	0.02	<.05
AMB-071	Town of Pickens	<0.1	<.005	<.05	<.01	0.07	<.05
AMB-071	Town of Pickens	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-071	Town of Pickens	<.1	<.005	<.05	<.01	0.073	<.05
AMB-072	Town of Ballentine	<0.1	<.005		0.12	0.05	<.05
AMB-072	Town of Ballentine		<.005		0.13	0.02	
AMB-072	Town of Ballentine	<.1	0.0073	<.05	<.01	<.02	<.05
AMB-073	Town of Union	0.12	<.005	<.05	<.01	0.22	<.05
AMB-073	Town of Union	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-074	Guthries	0.12	<.005	<.05	<.01	<.01	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-057	#11	<.05	0.14	<.05	<.001	<.05	
AMB-057	#11	<.01	<.01	0.06	<.003	0.91	<.02
AMB-058	Town of Ridgeway	<.05	<.01	<.05	<.001	<.02	
AMB-058	Town of Ridgeway	<.05	0.02	<.05	<.001	<.02	
AMB-058	Town of Ridgeway	<.01	0.03	<.05	<.003	<.03	<.02
AMB-058	Town of Ridgeway	0.011	0.012	<.05	<.003	<.1	<.02
AMB-059	Park	<.05	<.01	<.05	<.001	<.02	<.02
AMB-059	Park	<.05	0.32	<.05	<.001	<.02	
AMB-059	Park	<.01	<.01	<.05	<.003	<.03	<.02
AMB-059	Park	0.03	0.016	<.05	<.003	<.1	<.02
AMB-060	Town of Jenkinsville #4	<.05	<.01	<.01	<.001	<.05	
AMB-060	Town of Jenkinsville #4	<.05	<.05	<.05	<.001	<.05	
AMB-060	Town of Jenkinsville #4	<.01	<.01	0.09	<.003	0.12	<.02
AMB-061	Town of Mauldin	0.02	0.21	0.45	<.001	<.02	<.02
AMB-062	Fork Shoals	<.01	<.01	<.05	<.001	<.02	<.02
AMB-062	Fork Shoals	<.01	<.01	<.05	<.003	<.03	<.02
AMB-063	Town of Gilbert	0.07	<.01	<.05	<.001	<.02	
AMB-063	Town of Gilbert	0.07	0.07	<.05	<.001	<.02	
AMB-063	Town of Gilbert	0.08	0.07	0.06	<.003	0.12	<.02
AMB-063	Town of Gilbert	<.01	<.01	<.1	<.003	<.1	<.02
AMB-064	Town of Little Mountain	<.05	<.01	<.05	<.001	<.02	
AMB-064	Town of Little Mountain	<.05	0.02	<.05	<.001	<.02	
AMB-064	Town of Little Mountain	<.01	0.02	<.05	<.003	<.03	<.02
AMB-065	County	<.05					
AMB-065	County		0.34				
AMB-065	County	<.01	0.4	0.07	<.003	0.08	<.02
AMB-066	systems	0.15	<.01	<.05	<.001	<.02	
AMB-067	Town of Whitmire	0.08	<.01	<.05	<.001	<.02	<.02
AMB-067	Town of Whitmire	0.06	<.01	<.05	<.001	<.02	<.02
AMB-067	Town of Whitmire	0.13	<.01	0.09	<.003	0.13	<.02
AMB-068	Chappels	0.11					
AMB-068	Chappels	0.04	4.70				
AMB-068	Chappels	0.02	0.9	0.05	<.003	0.06	<.02
AMB-068	Chappels	0.017	0.53	<.1	<.003	<.1	<.02
AMB-069	Newberry-Edna Martin	0.02	0.01	<.05	<.001	<.02	<.02
AMB-069	Newberry-Edna Martin	<.01	0.01	<.05	<.003	<.03	<.02
AMB-070	Mountain rest	0.05	0.04	0.06	<.001	0.02	<.02
AMB-070	Mountain rest	0.03	<.01	<.05	<.003	<.03	<.02
AMB-070	Mountain rest	0.02	0.02	<.1	<.003	<.1	<.02
AMB-071	Town of Pickens	0.02	0.01	0.17	<.001	0.03	<.02
AMB-071	Town of Pickens	0.01	<.01	<.05	<.003	<.02	<.02
AMB-071	Town of Pickens	<.01	<.01	<.1	<.003	<.1	<.02
AMB-072	Town of Ballentine	<.05					
AMB-072	Town of Ballentine	0.03	0.02				
AMB-072	Town of Ballentine	<.01	<.01	<.1	<.003	<.1	<.02
AMB-073	Town of Union	<.01	0.01	0.47	<.001	<.02	<.02
AMB-073	Town of Union	<.01	<.01	<.05	<.003	<.03	<.02
AMB-074	Guthries	<.01	0.65	<.05	<.001	<.02	<.02

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-057	#11	<.0002					
AMB-057	#11	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-058	Town of Ridgeway						
AMB-058	Town of Ridgeway	<.0002					
AMB-058	Town of Ridgeway	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-058	Town of Ridgeway	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-059	Park						
AMB-059	Park	<.0002					
AMB-059	Park	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-059	Park	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-060	Town of Jenkinsville #4						
AMB-060	Town of Jenkinsville #4	<.0002					
AMB-060	Town of Jenkinsville #4	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-061	Town of Mauldin	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-062	Fork Shoals	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-062	Fork Shoals	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-063	Town of Gilbert						
AMB-063	Town of Gilbert	<.0002					
AMB-063	Town of Gilbert	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-063	Town of Gilbert	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-064	Town of Little Mountain						
AMB-064	Town of Little Mountain	<.0002					
AMB-064	Town of Little Mountain	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-065	County						
AMB-065	County	<.0002					
AMB-065	County	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-066	systems						
AMB-067	Town of Whitmire						
AMB-067	Town of Whitmire	<.0002					
AMB-067	Town of Whitmire	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-068	Chappels						
AMB-068	Chappels	<.0002					
AMB-068	Chappels	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-068	Chappels	<.0002	<.02	<.002	<.03	32	<.15
AMB-069	Newberry-Edna Martin	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-069	Newberry-Edna Martin	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-070	Mountain rest	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-070	Mountain rest	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-070	Mountain rest	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-071	Town of Pickens	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-071	Town of Pickens	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-071	Town of Pickens	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-072	Town of Ballentine						
AMB-072	Town of Ballentine	<.0002					
AMB-072	Town of Ballentine	0.00032	0.047	<.002	<.03	<.5	<.15
AMB-073	Town of Union	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-073	Town of Union	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-074	Guthries	<.0002	<.02	<.005	<.03	<.5	<.15

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-057	#11						24	0.05
AMB-057	#11	<.01	<.01	<.02	0.01	<.05	49	0.07
AMB-058	Town of Ridgeway	<.01	<.05					
AMB-058	Town of Ridgeway				0.01		16	0.05
AMB-058	Town of Ridgeway	<.01	<.01	<.02	<.01	<.05	45	0.05
AMB-058	Town of Ridgeway	<.01	<.01	<.02	<.01	<.05	38	0.055
AMB-059	Park	<.01	<.05					
AMB-059	Park						22	0.05
AMB-059	Park	<.01	<.01	<.02	<.01	<.05	32	<.01
AMB-059	Park	<.01	<.01	<.02	<.01	<.05	45	0.1
AMB-060	Town of Jenkinsville #4	<.01	<.05					
AMB-060	Town of Jenkinsville #4						18	0.06
AMB-060	Town of Jenkinsville #4	<.01	<.01	<.02	<.01	<.05	37	0.07
AMB-061	Town of Mauldin	<.01	<.01	<.02	0.01	<.05	5.2	<.01
AMB-062	Fork Shoals	<.01	<.01	<.02	<.01	<.05	22	0.05
AMB-062	Fork Shoals	<.01	<.01	<.02	<.01	<.05	25	0.06
AMB-063	Town of Gilbert	<.01	<.05					
AMB-063	Town of Gilbert				0.04			0.05
AMB-063	Town of Gilbert	<.01	<.01	<.02	0.04	<.05	49	0.05
AMB-063	Town of Gilbert	<.01	<.01	<.02	<.01	<.05	5.2	0.011
AMB-064	Town of Little Mountain	<.01	<.05					
AMB-064	Town of Little Mountain						18	0.06
AMB-064	Town of Little Mountain	<.01	<.01	<.02	<.01	<.05	38	0.07
AMB-065	County	<.01	<.05					
AMB-065	County						17	0.10
AMB-065	County	<.01	<.01	<.02	<.01	<.05	38	0.09
AMB-066	systems	<.01	<.05					
AMB-067	Town of Whitmire	<.01	<.05					
AMB-067	Town of Whitmire				0.01		25	0.12
AMB-067	Town of Whitmire	<.01	<.01	<.02	0.01	<.05	54	0.15
AMB-068	Chappels	<.01	<.05					
AMB-068	Chappels				0.01		27	0.09
AMB-068	Chappels	<.01	<.01	<.02	<.01	<.05	55	0.1
AMB-068	Chappels	<.01	<.01	<.02	<.01	<.05	57	0.11
AMB-069	Newberry-Edna Martin	<.01	<.01	<.02	<.01	<.05	16	0.06
AMB-069	Newberry-Edna Martin	<.01	<.01	<.02	<.01	<.05	20	0.1
AMB-070	Mountain rest	<.01	<.01	<.02	<.01	<.05	8.7	<.01
AMB-070	Mountain rest	<.01	<.01	<.02	<.01	<.05	9	<.01
AMB-070	Mountain rest	<.01	<.01	<.02	<.01	<.05	10	<.01
AMB-071	Town of Pickens	<.01	0.01	<.02	0.01	<.05	6.4	<.01
AMB-071	Town of Pickens	<.01	<.01	<.02	<.01	<.05	5.5	<.01
AMB-071	Town of Pickens	<.01	<.01	<.02	<.01	<.05	6.9	<.01
AMB-072	Town of Ballentine		<.05					
AMB-072	Town of Ballentine							0.05
AMB-072	Town of Ballentine	<.01	<.01	<.02	<.01	<.05	20	<.01
AMB-073	Town of Union	<.01	<.01	<.02	<.01	<.05	26	0.07
AMB-073	Town of Union	<.01	<.01	<.02	<.01	<.05	25	0.07
AMB-074	Guthries	<.01	<.01	<.02	<.01	<.05	33	0.07

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-057	#11	0.92	1.42
AMB-057	#11	0.84	0.12
AMB-058	Town of Ridgeway	5.40	
AMB-058	Town of Ridgeway	0.06	
AMB-058	Town of Ridgeway	0.05	ND
AMB-058	Town of Ridgeway	0.053	<.1
AMB-059	Park	0.86	
AMB-059	Park	0.78	
AMB-059	Park	0.91	ND
AMB-059	Park	0.37	<.1
AMB-060	Town of Jenkinsville #4	2.80	
AMB-060	Town of Jenkinsville #4	1.85	
AMB-060	Town of Jenkinsville #4	2.4	0.12
AMB-061	Town of Mauldin	1.20	0.16
AMB-062	Fork Shoals	1.32	0.16
AMB-062	Fork Shoals	1.62	ND
AMB-063	Town of Gilbert	0.05	
AMB-063	Town of Gilbert		
AMB-063	Town of Gilbert	<.02	ND
AMB-063	Town of Gilbert	2.1	
AMB-064	Town of Little Mountain	2.40	
AMB-064	Town of Little Mountain	1.85	
AMB-064	Town of Little Mountain	1.53	ND
AMB-065	County	0.94	
AMB-065	County	0.82	
AMB-065	County	0.88	ND
AMB-066	systems	2.10	
AMB-067	Town of Whitmire	0.04	
AMB-067	Town of Whitmire		0.11
AMB-067	Town of Whitmire	<.02	ND
AMB-068	Chappels	0.18	
AMB-068	Chappels	0.18	0.14
AMB-068	Chappels	0.16	0.27
AMB-068	Chappels	0.13	ND
AMB-069	Newberry-Edna Martin	8.30	0.10
AMB-069	Newberry-Edna Martin	8.1	ND
AMB-070	Mountain rest	1.30	0.16
AMB-070	Mountain rest	1.2	ND
AMB-070	Mountain rest	0.85	ND
AMB-071	Town of Pickens	0.12	ND
AMB-071	Town of Pickens	0.08	ND
AMB-071	Town of Pickens	0.060	ND
AMB-072	Town of Ballentine	0.76	
AMB-072	Town of Ballentine	1.77	
AMB-072	Town of Ballentine	0.39	
AMB-073	Town of Union	0.78	0.18
AMB-073	Town of Union	0.86	ND
AMB-074	Guthries	0.29	0.12

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-074	Guthries	34.9077528	-81.1939972	York	Catawba
AMB-075	Abbeville Shallow Well	34.140875	-82.4037083	Abbeville	Saluda-Edisto
AMB-075	Abbeville Shallow Well	34.140875	-82.4037083	Abbeville	Saluda-Edisto
AMB-075	Abbeville Shallow Well	34.140875	-82.4037083	Abbeville	Saluda-Edisto
AMB-076	Starr Deep Well	34.3965833	-82.7562083	Anderson	Saluda-Edisto
AMB-076	Starr Deep Well	34.3965833	-82.7562083	Anderson	Saluda-Edisto
AMB-076	Starr Deep Well	34.3965833	-82.7562083	Anderson	Saluda-Edisto
AMB-077	Town of Blacksburg	35.1547944	-81.4397694	Cherokee	Broad
AMB-077	Town of Blacksburg	35.1547944	-81.4397694	Cherokee	Broad
AMB-078	Town of Mauldin #2	34.7797444	-82.2192278	Greenville	Broad
AMB-079	Fork Shoals	34.5645194	-82.3274861	Greenville	Saluda-Edisto
AMB-079	Fork Shoals	34.5645194	-82.3274861	Greenville	Saluda-Edisto
AMB-079	Fork Shoals	34.5645194	-82.3274861	Greenville	Saluda-Edisto
AMB-080	Newberry	34.32895	-81.5378472	Newberry	Broad
AMB-080	Newberry	34.32895	-81.5378472	Newberry	Broad
AMB-081	Mountain Rest	34.8121667	-83.1412083	Oconee	Sav-Salk
AMB-081	Mountain Rest	34.8121667	-83.1412083	Oconee	Sav-Salk
AMB-081	Mountain Rest	34.8121667	-83.1412083	Oconee	Sav-Salk
AMB-082	Pickens	35.0365667	-82.6772222	Pickens	Saluda-Edisto
AMB-082	Pickens	35.0365667	-82.6772222	Pickens	Saluda-Edisto
AMB-082	Pickens	35.0365667	-82.6772222	Pickens	Saluda-Edisto
AMB-083	Union	34.7394278	-81.664425	Union	Broad
AMB-083	Union	34.7394278	-81.664425	Union	Broad
AMB-084	McClellanville	33.0907139	-79.4555278	Charleston	Catawba
AMB-085	#13	32.5143056	-80.309125	Colleton	Saluda-Edisto
AMB-086	Bennets Point-Baily	32.553375	-80.4566139	Collenton	Sav-Salk
AMB-086	Bennets Point-Baily	32.553375	-80.4566139	Collenton	Sav-Salk
AMB-086	Bennets Point-Baily	32.553375	-80.4566139	Collenton	Sav-Salk
AMB-086	Bennets Point-Baily	32.553375	-80.4566139	Collenton	Sav-Salk
AMB-087	Santee	33.2482778	-79.4018056	Gerogetown	Catawba
AMB-088	Socastee	33.6662222	-78.997825	Horry	Pee Dee
AMB-088	Socastee	33.6662222	-78.997825	Horry	Pee Dee
AMB-089	Town of Fairfax	32.9429611	-81.2393611	Allendale	Sav-Salk
AMB-089	Town of Fairfax	32.9429611	-81.2393611	Allendale	Sav-Salk
AMB-089	Town of Fairfax	32.9429611	-81.2393611	Allendale	Sav-Salk
AMB-090	Frogmore	32.4070611	-80.5357139	Beaufort	Sav-Salk
AMB-090	Frogmore	32.4070611	-80.5357139	Beaufort	Sav-Salk
AMB-091	Sheldon	32.5989944	-80.7948806	Beaufort	Sav-Salk
AMB-091	Sheldon	32.5989944	-80.7948806	Beaufort	Sav-Salk
AMB-091	Sheldon	32.5989944	-80.7948806	Beaufort	Sav-Salk
AMB-091	Sheldon	32.5989944	-80.7948806	Beaufort	Sav-Salk
AMB-092	Wexford	32.1619972	-80.7517667	Beaufort	Sav-Salk
AMB-092	Wexford	32.1619972	-80.7517667	Beaufort	Sav-Salk
AMB-092	Wexford	32.1619972	-80.7517667	Beaufort	Sav-Salk
AMB-092	Wexford	32.1619972	-80.7517667	Beaufort	Sav-Salk
AMB-093	Bluffton	32.2790306	-80.8162444	Beaufort	Sav-Salk
AMB-093	Bluffton	32.2790306	-80.8162444	Beaufort	Sav-Salk
AMB-093	Bluffton	32.2790306	-80.8162444	Beaufort	Sav-Salk

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-074	Guthries	Piedmont Bedrock	01-Apr-95	7.0	94	78	35
AMB-075	Abbeville Shallow Well	Saprolite	01-Apr-90	7.8	88	70	30
AMB-075	Abbeville Shallow Well	Saprolite	01-Apr-95	6.4	49	42	16
AMB-075	Abbeville Shallow Well	Saprolite	01-Jul-00	5.9	47.8	36	12
AMB-076	Starr Deep Well	Piedmont Bedrock	01-Apr-90	11.0	220	110	25
AMB-076	Starr Deep Well	Piedmont Bedrock	01-Apr-95	6.7	106	83	39
AMB-076	Starr Deep Well	Piedmont Bedrock	01-Jul-00	7.3	133	100	49
AMB-077	Town of Blacksburg	Piedmont Bedrock	01-Apr-90	7.7	131	98	68
AMB-077	Town of Blacksburg	Piedmont Bedrock	01-Apr-95	7.6	147	95	67
AMB-078	Town of Mauldin #2	Piedmont Bedrock	01-Apr-90	6.1	260	42	9.0
AMB-079	Fork Shoals	Piedmont Bedrock	01-Apr-90	7.5	79	120	67
AMB-079	Fork Shoals	Piedmont Bedrock	01-Apr-95	7.5	168	120	60
AMB-079	Fork Shoals	Piedmont Bedrock	15-May-01	7.6	154	130	
AMB-080	Newberry	Piedmont Bedrock	01-Apr-90	6.8	90	82	34
AMB-080	Newberry	Piedmont Bedrock	01-Apr-95	6.6	97	90	33
AMB-081	Mountain Rest	Piedmont Bedrock	01-Apr-90	5.1	33	24	5.0
AMB-081	Mountain Rest	Piedmont Bedrock	01-Apr-95	5.2	34	18	5.0
AMB-081	Mountain Rest	Piedmont Bedrock	01-Jul-00	5.1	34.2		5
AMB-082	Pickens	Piedmont Bedrock	01-Apr-90	6.3	31	36	8.0
AMB-082	Pickens	Piedmont Bedrock	01-Apr-95	6.2	36	32	9.0
AMB-082	Pickens	Piedmont Bedrock	15-May-01	6.4	50.1	28	
AMB-083	Union	Piedmont Bedrock	01-Apr-90	6.2	124	120	36
AMB-083	Union	Piedmont Bedrock	01-Apr-95	6.2	114	96	26
AMB-084	McClellanville	Surf sands	01-May-89	7.2	4450	290	210
AMB-085	#13	Surf Sands	01-May-88	6.9	1540	1100	450
AMB-086	Bennets Point-Baily	Surf sands	01-May-88	8.5	1500	200	19
AMB-086	Bennets Point-Baily	Surf sands	01-May-93	8.1	4	2400	97
AMB-086	Bennets Point-Baily	Surf sands	01-May-98	8.6		990	29
AMB-086	Bennets Point-Baily	Surf sands	01-Jul-00	8.5	2098	1300	33
AMB-087	Santee	Surf sands	01-May-89	7.3	559	360	210
AMB-088	Socastee	Surf Sands	01-May-89	6.2	124	80	20
AMB-088	Socastee	Surf Sands	01-Jul-94	6.3	129	79	21
AMB-089	Town of Fairfax	Tertiary Limestone	01-May-88	8.4	170	110	42
AMB-089	Town of Fairfax	Tertiary Limestone	01-May-93	8.4	200	140	41
AMB-089	Town of Fairfax	Tertiary Limestone	01-May-98	8.2	197	140	50
AMB-090	Frogmore	Tertiary Limestone	01-May-88	7.9	262	200	120
AMB-090	Frogmore	Tertiary Limestone	01-Jul-00	8.0	308	190	110
AMB-091	Sheldon	Tertiary Limestone	01-May-88	8.0	230	170	99
AMB-091	Sheldon	Tertiary Limestone	01-May-93	8.1	274	150	97
AMB-091	Sheldon	Tertiary Limestone	01-May-98	8.0	275	37	96
AMB-091	Sheldon	Tertiary Limestone	01-Jul-00	8.1	288	180	93
AMB-092	Wexford	Tertiary Limestone	01-May-88	8.0	400	300	100
AMB-092	Wexford	Tertiary Limestone	01-May-93	7.6	559	330	150
AMB-092	Wexford	Tertiary Limestone	01-May-98	7.5	628	390	240
AMB-092	Wexford	Tertiary Limestone	01-Jul-00	7.6	751	440	260
AMB-093	Bluffton	Tertiary Limestone	01-May-88	7.7	430	350	230
AMB-093	Bluffton	Tertiary Limestone	01-May-93	7.8	450	250	190
AMB-093	Bluffton	Tertiary Limestone	01-May-98	7.9	586	280	190

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-074	Guthries	1.1	2.2	0.06	7.89 <5		0	0
AMB-075	Abbeville Shallow Well	2.1	2.2	0.06	5.66 10		0.21	19.81
AMB-075	Abbeville Shallow Well	2.1	3.6	0.1	25 <5		0	0
AMB-075	Abbeville Shallow Well	<2	2.5	0.07	21.21 <5		0	0
AMB-076	Starr Deep Well	2.2	2.7	0.08	4.85 <10		0	0
AMB-076	Starr Deep Well	1.8	3.6	0.1	16.95 <5		0	0
AMB-076	Starr Deep Well	<2	2.9	0.08	10.13 7		0.15	18.99
AMB-077	Town of Blacksburg	1.8	1.3	0.04	3.6 <10		0	0
AMB-077	Town of Blacksburg	3.3	1.9	0.05	3.85 <5		0	0
AMB-078	Town of Mauldin #2	1.6	1.5	0.04	23.53 <10		0	0
AMB-079	Fork Shoals	2.3	1.9	0.05	4 <10		0	0
AMB-079	Fork Shoals	2.7	1.9	0.05	3.62 <5		0	0
AMB-079	Fork Shoals	<2	2.2	0.06	4.17 6.0		0.12	8.33
AMB-080	Newberry	1.5	3.2	0.09	11.54 <10		0	0
AMB-080	Newberry	2.7	3.0	0.08	10.26 <5		0	0
AMB-081	Mountain Rest	3.6	4.4	0.12	63.16 <10		0	0
AMB-081	Mountain Rest	3.3	2.7	0.08	53.33 <5		0	0
AMB-081	Mountain Rest	<2	2	0.06	54.55 <5		0	0
AMB-082	Pickens	1.0	<1	0	0 12		0.25	47.17
AMB-082	Pickens	2.2	<1	0	0 <5		0	0
AMB-082	Pickens	<2	1.4	0.04	9.3 <5		0	0
AMB-083	Union	1.2	16.7	0.47	61.04 <10		0	0
AMB-083	Union	1.7	12.8	0.36	53.73 <5		0	0
AMB-084	McClellanville	4.5	20.7	0.58	13.43 <10		0	0
AMB-085	#13	13.2	240	6.76	49.71 170		3.54	26.03
AMB-086	Bennets Point-Baily	<1	215	6.06	44.66 30		0.62	4.57
AMB-086	Bennets Point-Baily	39	295	8.31	45.36 100		2.08	11.35
AMB-086	Bennets Point-Baily	20	235	6.62	50.69 33		0.69	5.28
AMB-086	Bennets Point-Baily	5.1	37	1.04				
AMB-087	Santee	5.2	12.8	0.36	7.39 <10		0	0
AMB-088	Socastee	<1	17	0.48	47.06 <10		0	0
AMB-088	Socastee	3.2	22.9	0.65	31.55 38		0.79	38.35
AMB-089	Town of Fairfax	<1	2.0	0.06	3.8 <10		0	0
AMB-089	Town of Fairfax	3.8	2.2	0.06	3.37 10.00		0.21	11.8
AMB-089	Town of Fairfax		2.7	0.08	5.3 <5		0	0
AMB-090	Frogmore	1.0	26	0.73	26.26 <10		0	0
AMB-090	Frogmore	2.1	29.5	0.83	28.14 5		0.1	3.39
AMB-091	Sheldon	<1	5.0	0.14	5.79 <10		0	0
AMB-091	Sheldon	11.4	5.6	0.16	6.61 <10		0	0
AMB-091	Sheldon		6.1	0.17	7.33 <5		0	0
AMB-091	Sheldon	<2	5.5	0.15	5.98 5		0.1	3.98
AMB-092	Wexford	<1	45	1.27	37.8 6		0.12	3.57
AMB-092	Wexford	26	74	2.08	41.43 20		0.42	8.37
AMB-092	Wexford		76.2	2.15	36.5 <5		0	0
AMB-092	Wexford	7.4	77.6	2.19	32.4 22		0.46	6.8
AMB-093	Bluffton	<1	45	1.27	32.73 <10		0	0
AMB-093	Bluffton	13.3	42.3	1.19	30.2 <10		0	0
AMB-093	Bluffton		84.4	2.38	47.13 7		0.15	2.97

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-074	Guthries	43	0.7	92.11	9.5	0.47	50.54	2.8
AMB-075	Abbeville Shallow Well	48	0.79	74.53	11	0.55	53.4	0.5
AMB-075	Abbeville Shallow Well	18	0.3	75	5.7	0.28	57.14	0.41
AMB-075	Abbeville Shallow Well	16	0.26	78.79	3.8	0.19	42.22	0.51
AMB-076	Starr Deep Well	96	1.57	95.15	10	0.5	23.15	0.07
AMB-076	Starr Deep Well	30	0.49	83.05	8.8	0.44	45.83	4.1
AMB-076	Starr Deep Well	34	0.56	70.89	14	0.7	51.85	3.4
AMB-077	Town of Blacksburg	65	1.07	96.4	19	0.95	60.51	5.1
AMB-077	Town of Blacksburg	76	1.25	96.15	19	0.95	63.33	4.7
AMB-078	Town of Mauldin #2	8	0.13	76.47	2.3	0.11	32.35	0.68
AMB-079	Fork Shoals	73	1.2	96	17	0.85	43.15	6
AMB-079	Fork Shoals	81	1.33	96.38	19	0.95	53.67	3
AMB-079	Fork Shoals	77	1.26	87.5	18	0.9	51.72	3
AMB-080	Newberry	42	0.69	88.46	7.5	0.37	36.63	3.80
AMB-080	Newberry	43	0.7	89.74	7.3	0.36	37.5	3.6
AMB-081	Mountain Rest	4	0.07	36.84	0.84	0.04	17.39	0.71
AMB-081	Mountain Rest	4	0.07	46.67	0.80	0.04	18.18	0.75
AMB-081	Mountain Rest	3	0.05	45.45	0.85	0.04	16	0.82
AMB-082	Pickens	17	0.28	52.83	2.5	0.12	40	0.32
AMB-082	Pickens	17	0.28	100	2.9	0.14	40	0.4
AMB-082	Pickens	24	0.39	90.7	4.2	0.21	40.38	1
AMB-083	Union	18	0.3	38.96	10	0.5	38.76	2.6
AMB-083	Union	19	0.31	46.27	7.5	0.37	38.14	1.8
AMB-084	McClellanville	228	3.74	86.57	71	3.54	72.24	8
AMB-085	#13	201	3.3	24.26	148	7.38	48.55	20
AMB-086	Bennets Point-Baily	420	6.89	50.77	2.5	0.12	0.91	3
AMB-086	Bennets Point-Baily	484	7.93	43.29	11	0.55	1.22	17
AMB-086	Bennets Point-Baily	351	5.75	44.03	3.7	0.18	1.03	4.9
AMB-086	Bennets Point-Baily	398	6.52		4.6	0.23	1.19	5.3
AMB-087	Santee	275	4.51	92.61	73	3.64	66.91	7
AMB-088	Socastee	33	0.54	52.94	6.8	0.34	32.38	0.77
AMB-088	Socastee	38	0.62	30.1	7.1	0.35	33.02	0.79
AMB-089	Town of Fairfax	93	1.52	96.2	11	0.55	28.5	3.5
AMB-089	Town of Fairfax	92	1.51	84.83	11	0.55	26.07	3.4
AMB-089	Town of Fairfax	87	1.43	94.7	13	0.65	30.23	4.3
AMB-090	Frogmore	125	2.05	73.74	40	2	60.61	5.2
AMB-090	Frogmore	123	2.02	68.47	36	1.8	58.06	4.5
AMB-091	Sheldon	139	2.28	94.21	23	1.15	36.62	10
AMB-091	Sheldon	138	2.26	93.39	23	1.15	38.21	9.6
AMB-091	Sheldon	131	2.15	92.67	22	1.1	37.16	10
AMB-091	Sheldon	138	2.26	90.04	23	1.15	40.64	8.7
AMB-092	Wexford	120	1.97	58.63	23	1.15	22.77	12
AMB-092	Wexford	154	2.52	50.2	41	2.04	36.43	11
AMB-092	Wexford	228	3.74	63.5	80	3.99	56.84	8.8
AMB-092	Wexford	251	4.11	60.8	92	4.59	62.96	7.6
AMB-093	Bluffton	159	2.61	67.27	54	2.69	50.09	22
AMB-093	Bluffton	168	2.75	69.8	46	2.29	48.93	18
AMB-093	Bluffton	154	2.52	49.9	45	2.24	41.71	18

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-074	Guthries	24.73	0.23	4.4	0.19	1.5	0.04	24.73
AMB-075	Abbeville Shallow Well	3.88	0.04	4.9	0.21	8.9	0.23	42.72
AMB-075	Abbeville Shallow Well	6.12	0.03	2.9	0.13	2	0.05	36.73
AMB-075	Abbeville Shallow Well	8.89	0.04	4	0.17	2	0.05	48.89
AMB-076	Starr Deep Well	0.46	0.01	35	1.52	5	0.13	76.39
AMB-076	Starr Deep Well	35.42	0.34	3.2	0.14	1.7	0.04	18.75
AMB-076	Starr Deep Well	20.74	0.28	7.3	0.32	2	0.05	27.41
AMB-077	Town of Blacksburg	26.75	0.42	2.8	0.12	3.3	0.08	12.74
AMB-077	Town of Blacksburg	26	0.39	2.4	0.1	2.5	0.06	10.67
AMB-078	Town of Mauldin #2	17.65	0.06	3	0.13	1.5	0.04	50
AMB-079	Fork Shoals	24.87	0.49	11	0.48	5.9	0.15	31.98
AMB-079	Fork Shoals	14.12	0.25	12	0.52	2	0.05	32.2
AMB-079	Fork Shoals	14.37	0.25	12	0.52	2.6	0.07	33.91
AMB-080	Newberry	30.69	0.31	6.6	0.29	1.7	0.04	32.67
AMB-080	Newberry	31.25	0.3	6.3	0.27	1	0.03	31.25
AMB-081	Mountain Rest	26.09	0.06	3	0.13	<1	0	56.52
AMB-081	Mountain Rest	27.27	0.06	2.8	0.12	<1	0	54.55
AMB-081	Mountain Rest	28	0.07	2.6	0.11	1	0.03	56
AMB-082	Pickens	10	0.03	3.4	0.15	<1	0	50
AMB-082	Pickens	8.57	0.03	3.4	0.15	1	0.03	51.43
AMB-082	Pickens	15.38	0.08	3.7	0.16	2.9	0.07	44.23
AMB-083	Union	16.28	0.21	12	0.52	2.3	0.06	44.96
AMB-083	Union	15.46	0.15	9.4	0.41	1.7	0.04	46.39
AMB-084	McClellanville	13.47	0.66	16	0.7	<1	0	14.29
AMB-085	#13	10.86	1.65	142	6.17	<1	0	40.59
AMB-086	Bennets Point-Baily	1.89	0.25	290	12.61	10	0.26	97.21
AMB-086	Bennets Point-Baily	3.1	1.4	980	42.61	22	0.56	95.68
AMB-086	Bennets Point-Baily	2.29	0.4	380	16.52	15	0.38	96.68
AMB-086	Bennets Point-Baily	2.28	0.44	420	18.26	14	0.36	96.53
AMB-087	Santee	10.66	0.58	28	1.22	<1	0	22.43
AMB-088	Socastee	5.71	0.06	15	0.65	<1	0	61.9
AMB-088	Socastee	6.6	0.07	14	0.61	1	0.03	60.38
AMB-089	Town of Fairfax	15.03	0.29	25	1.09	<1	0	56.48
AMB-089	Town of Fairfax	13.27	0.28	26	1.13	6	0.15	60.66
AMB-089	Town of Fairfax	16.28	0.35	23	1	6	0.15	53.49
AMB-090	Frogmore	13.03	0.43	20	0.87	<1	0	26.36
AMB-090	Frogmore	11.94	0.37	19	0.83	4	0.1	30
AMB-091	Sheldon	26.11	0.82	21	0.91	10	0.26	37.26
AMB-091	Sheldon	26.25	0.79	20	0.87	8	0.2	35.55
AMB-091	Sheldon	27.7	0.82	19	0.83	8.2	0.21	35.14
AMB-091	Sheldon	25.44	0.72	18	0.78	7	0.18	33.92
AMB-092	Wexford	19.6	0.99	67	2.91	<1	0	57.62
AMB-092	Wexford	16.25	0.91	59	2.57	3	0.08	47.32
AMB-092	Wexford	10.26	0.72	52	2.26	2	0.05	32.91
AMB-092	Wexford	8.64	0.63	47	2.04	1	0.03	28.4
AMB-093	Bluffton	33.71	1.81	20	0.87	<1	0	16.2
AMB-093	Bluffton	31.62	1.48	19	0.83	3	0.08	19.44
AMB-093	Bluffton	27.56	1.48	36	1.57	3	0.08	30.73

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-074	Guthries	<0.1	<.005	<.05	<.01	0.18	<.05
AMB-075	Abbeville Shallow Well	<0.1	<.005	<.05	0.01	0.01	<.05
AMB-075	Abbeville Shallow Well	<0.1	<.005	<.05	<.01	0.27	<.05
AMB-075	Abbeville Shallow Well	<.1	<.005	<.05	0.01	0.37	<.05
AMB-076	Starr Deep Well	0.1	<.005	<.05	0.01	0.15	<.05
AMB-076	Starr Deep Well	<0.1	<.005	<.05	<.01	0.23	<.05
AMB-076	Starr Deep Well	0.14	<.005	<.05	<.01	0.04	<.05
AMB-077	Town of Blacksburg	0.20	<.005			0.05	
AMB-077	Town of Blacksburg	<0.1	<.005	<.05	0.01	0.14	<.05
AMB-078	Town of Mauldin #2	<0.1	<.005	<.05	<.01	0.01	<.05
AMB-079	Fork Shoals	1.20	<.005	0.08	<.01	7.2	<.05
AMB-079	Fork Shoals	1.49	<.005	<.05	<.01	0.03	<.05
AMB-079	Fork Shoals	1.3	<.005	<.05	<.01	0.051	<.05
AMB-080	Newberry	0.14	<.005	0.06	0.03	0.02	<.05
AMB-080	Newberry	0.12	<.005	0.06	<.01	<.02	<.05
AMB-081	Mountain Rest	<0.1	<.005	<.05	0.01	<.01	<.05
AMB-081	Mountain Rest	<0.1	<.005	<.05	0.01	<.02	<.05
AMB-081	Mountain Rest	<.1	<.005	<.05	<.01	<.02	<.05
AMB-082	Pickens	<0.1	<.005	<.05	0.01	<.01	<.05
AMB-082	Pickens	<0.1	<.005	<.05	<.01	<.02	<.05
AMB-082	Pickens	<.1	<.005	<.05	0.013	0.027	<.05
AMB-083	Union	0.12	<.005	<.05	0.03	0.70	<.05
AMB-083	Union	<0.1	<.005	<.05	0.04	0.47	<.05
AMB-084	McClellanville	<0.1	<.005	<.05	<.01	0.67	<.05
AMB-085	#13	1.10	<.005	<.05	<.05	0.023	<.05
AMB-086	Bennets Point-Baily	2.90	<.005	<.05	<.05	<.05	<.05
AMB-086	Bennets Point-Baily	2.6	<.005	<.05	<.01	0.12	<.05
AMB-086	Bennets Point-Baily	0.72	<.005	<.05	<.01	<.02	<.05
AMB-086	Bennets Point-Baily	3.15	<.005	<.05	<.01	<.02	<.05
AMB-087	Santee	0.28	<.005	<.05	<.01	0.10	<.05
AMB-088	Socastee	<0.1	<.005	<.05	<.01	7.40	<.05
AMB-088	Socastee	<0.1	<.005	<.05	<.01	4.60	0.11
AMB-089	Town of Fairfax	0.50	<.005	<.05	<.05	<.05	<.05
AMB-089	Town of Fairfax	0.38	<.005	<.05	<.05	<.05	<.05
AMB-089	Town of Fairfax	0.37	<.005	<.05	<.01	<.02	<.05
AMB-090	Frogmore	0.20	<.005	<.05	<.05	<.05	<.05
AMB-090	Frogmore	0.29	<.005	<.05	<.01	<.02	<.05
AMB-091	Sheldon	0.30	<.005	<.05	<.05	<.05	<.05
AMB-091	Sheldon	0.26	<.005	<.05	<.05	<.05	<.05
AMB-091	Sheldon	0.31	<.005	<.05	<.01	<.02	<.05
AMB-091	Sheldon	0.3	<.005	<.05	<.01	<.02	<.05
AMB-092	Wexford	0.60	<.005	<.05	<.05	0.14	<.05
AMB-092	Wexford	0.39	<.005	<.05	<.01	0.44	<.05
AMB-092	Wexford	0.22	<.005	<.05	<.01	2.4	<.05
AMB-092	Wexford		<.005	<.05	0.01	5	<.05
AMB-093	Bluffton	0.40	<.005	<.05	<.05	<.05	<.05
AMB-093	Bluffton	0.3	<.005	<.05	<.01	<.02	<.05
AMB-093	Bluffton	0.29	<.005	<.05	<.01	<.02	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-074	Guthries	<.01	0.32	0.13	<.003	<.03	<.02
AMB-075	Abbeville Shallow Well	0.02	0.01	0.11	<.001	0.06	<.02
AMB-075	Abbeville Shallow Well	0.04	<.01	0.56	<.003	<.05	<.02
AMB-075	Abbeville Shallow Well	0.06	<.01	0.94	<.003	<.1	<.02
AMB-076	Starr Deep Well	0.01	0.01	0.10	<.001	0.07	<.02
AMB-076	Starr Deep Well	<.01	<.01	0.14	<.003	<.03	<.02
AMB-076	Starr Deep Well	<.01	<.01	<.1	<.003	<.1	<.02
AMB-077	Town of Blacksburg	0.01	1.1				
AMB-077	Town of Blacksburg	<.01	1.3	0.11	<.003	<.05	<.02
AMB-078	Town of Mauldin #2	0.02	0.20	<.05	<.001	<.02	<.02
AMB-079	Fork Shoals	0.14	0.33	4.60	<.001	<.02	<.02
AMB-079	Fork Shoals	0.01	0.08	<.05	<.003	<.03	<.02
AMB-079	Fork Shoals	0.016	0.039	<.1	<.003	<.1	<.02
AMB-080	Newberry	<.01	0.18	<.05	<.001	0.02	<.02
AMB-080	Newberry	<.01	<.01	<.05	<.003	<.03	<.01
AMB-081	Mountain Rest	0.06	0.01	0.05	<.001	0.02	<.02
AMB-081	Mountain Rest	0.06	<.01	0.06	<.003	<.03	<.02
AMB-081	Mountain Rest	0.05	<.01	0.1	<.003	<.1	<.02
AMB-082	Pickens	<.01	0.07	<.05	<.001	0.03	<.02
AMB-082	Pickens	<.01	<.01	<.05	<.003	<.03	<.02
AMB-082	Pickens	<.01	<.01	<.1	<.003	<.1	<.02
AMB-083	Union	0.01	0.10	<.05	<.001	<.02	<.02
AMB-083	Union	0.01	0.02	<.05	<.003	<.03	<.02
AMB-084	McClellanville	0.10	0.02	<.05	<.001	0.04	<.02
AMB-085	#13	0.13	<.05	<.05	<.001	0.19	0.05
AMB-086	Bennets Point-Baily	<.05	<.05	<.05	<.001	0.96	<.05
AMB-086	Bennets Point-Baily	<.01	<.01	<.05	<.003	2.30	<.02
AMB-086	Bennets Point-Baily	<.01	<.01	<.1	<.003	<.03	<.02
AMB-086	Bennets Point-Baily	<.01	<.01	<.1	<.003	1.3	<.02
AMB-087	Santee	0.01	0.90	<.05	<.001	0.05	<.02
AMB-088	Socastee	0.05	1.50	<.05	<.001	0.04	<.02
AMB-088	Socastee	0.04	0.48	0.15	<.003	<.03	<.02
AMB-089	Town of Fairfax	<.05	<.05	<.05	<.001	0.10	<.05
AMB-089	Town of Fairfax	<.05	0.01	<.05	<.001	<.05	<.05
AMB-089	Town of Fairfax	<.01	<.01	<.1	<.003	0.08	<.02
AMB-090	Frogmore	<.05	<.05	<.05	<.001	0.05	<.05
AMB-090	Frogmore	<.01	<.01	<.1	<.003	<.1	<.02
AMB-091	Sheldon	<.05	<.05	<.05	<.001	<.05	<.05
AMB-091	Sheldon	<.05	<.05	<.05	<.001	<.05	<.05
AMB-091	Sheldon	<.01	<.01	<.1	<.003	<.1	<.02
AMB-091	Sheldon	<.01	<.01	<.1	<.003	<.1	<.02
AMB-092	Wexford	<.05	<.05	<.05	<.001	<.05	<.05
AMB-092	Wexford	0.02	0.01	<.05	<.003	0.07	<.02
AMB-092	Wexford	0.12	<.01	<.1	<.003	<.1	<.02
AMB-092	Wexford	0.17	<.01	<.1	<.003	<.1	<.02
AMB-093	Bluffton	<.05	<.05	<.05	<.001	<.05	<.05
AMB-093	Bluffton	0.02	0.07	<.05	<.003	0.03	<.02
AMB-093	Bluffton	0.02	<.01	<.1	<.003	0.03	<.02

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-074	Guthries	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-075	Abbeville Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-075	Abbeville Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-075	Abbeville Shallow Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-076	Starr Deep Well	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-076	Starr Deep Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-076	Starr Deep Well	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-077	Town of Blacksburg	<.0002					
AMB-077	Town of Blacksburg	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-078	Town of Mauldin #2	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-079	Fork Shoals	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-079	Fork Shoals	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-079	Fork Shoals	<.0002	<.02	0.0022	<.03	<.5	<.15
AMB-080	Newberry	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-080	Newberry	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-081	Mountain Rest	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-081	Mountain Rest	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-081	Mountain Rest	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-082	Pickens	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-082	Pickens	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-082	Pickens	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-083	Union	<.0002	<.02	<.005	<.03	<.5	<.17
AMB-083	Union	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-084	McClellanville	<.0002	<.02	<.005	<.03	<.5	0.21
AMB-085	#13	<.0002	<.02	<.005	<.05	<1	<.15
AMB-086	Bennets Point-Baily	<.0002	<.01	<.005	<.05	<1	<.15
AMB-086	Bennets Point-Baily	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-086	Bennets Point-Baily	<.0002	<.02	<.005	<.03	<.5	0.26
AMB-086	Bennets Point-Baily	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-087	Santee	<.0002	<.02	<.005	<.03	<.5	0.18
AMB-088	Socastee	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-088	Socastee	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-089	Town of Fairfax	<.0002	<.02	<.005	<.05	<1	<.15
AMB-089	Town of Fairfax	<.0002	<.02	<.005	<.05	<1	<.15
AMB-089	Town of Fairfax	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-090	Frogmore	<.0002	<.02	<.005	<.05	<1	<.15
AMB-090	Frogmore	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-091	Sheldon	<.0002	<.02	<.005	<.05	<1	<.15
AMB-091	Sheldon	<.0002	<.02	<.005	<.05	<1	<.15
AMB-091	Sheldon	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-091	Sheldon	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-092	Wexford	<.0002	<.02	<.005	<.05	<1	<.15
AMB-092	Wexford	<.0002	0.08	<.005	<.03	<.5	<.15
AMB-092	Wexford	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-092	Wexford	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-093	Bluffton	<.0002	<.02	<.005	<.05	<1	<.15
AMB-093	Bluffton	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-093	Bluffton	<.0002	<.02	<.005	<.03	<.5	<.15

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-074	Guthries	<.01	<.01	<.02	<.01	<.05	34	0.07
AMB-075	Abbeville Shallow Well	<.01	0.01	<.02	0.01	<.05	22	0.08
AMB-075	Abbeville Shallow Well	<.01	<.01	<.02	<.01	<.05	19	0.04
AMB-075	Abbeville Shallow Well	<.01	<.01	<.02	<.01	<.05	20	0.04
AMB-076	Starr Deep Well	<.01	<.01	<.02	<.01	<.05	27	0.53
AMB-076	Starr Deep Well	<.01	<.01	<.02	<.01	<.05	25	0.04
AMB-076	Starr Deep Well	<.01	<.01	<.02	<.01	<.05	23	0.05
AMB-077	Town of Blacksburg				0.01		25	0.03
AMB-077	Town of Blacksburg	<.01	<.01	<.02	<.01	<.05	25	0.02
AMB-078	Town of Mauldin #2	<.01	<.01	<.02	0.01	<.05	6.7	<.01
AMB-079	Fork Shoals	<.01	<.01	<.02	0.08	<.05	55	0.09
AMB-079	Fork Shoals	<.01	<.01	<.02	0.06	<.05	37	0.09
AMB-079	Fork Shoals	<.01	<.01	<.02	0.054	<.05	35	0.087
AMB-080	Newberry	<.01	<.01	<.02	<.01	<.05	50	0.09
AMB-080	Newberry	<.01	<.01	<.02	<.01	<.05	50	0.09
AMB-081	Mountain Rest	<.01	<.01	<.02	0.01	<.05	9.1	<.01
AMB-081	Mountain Rest	<.01	<.01	<.02	<.01	<.05	8.7	<.01
AMB-081	Mountain Rest	<.01	<.01	<.02	<.01	<.05	9.2	<.01
AMB-082	Pickens	<.01	<.01	<.02	<.01	<.05	22	<.01
AMB-082	Pickens	<.01	<.01	<.02	<.01	<.05	21	0.02
AMB-082	Pickens	<.01	<.01	<.02	<.01	<.05	23	0.018
AMB-083	Union	<.01	<.01	<.02	<.01	<.05	38	0.22
AMB-083	Union	<.01	<.01	<.02	<.01	<.05	36	0.17
AMB-084	McClellanville	<.01	0.01	<.02	0.01	<.05	39	0.32
AMB-085	#13	<.01	<.05	<.05	<.05	<.02	21	0.87
AMB-086	Bennets Point-Baily	<.01	<.05	<.05	<.05	<.02	30	0.07
AMB-086	Bennets Point-Baily	<.01	<.01	<.02	0.05	<.05		1.20
AMB-086	Bennets Point-Baily	<.01	<.01	<.02	0.01	<.05	32	0.11
AMB-086	Bennets Point-Baily	<.01	<.01	<.02	0.02	<.05	34	0.14
AMB-087	Santee	<.01	0.01	<.02	0.01	<.05	59	0.35
AMB-088	Socastee	<.01	<.01	<.02	0.01	<.05	18	0.04
AMB-088	Socastee	<.01	<.01	0.04	<.01	<.05	18	0.05
AMB-089	Town of Fairfax	<.01	<.05	<.05	<.05	<.02	25	0.12
AMB-089	Town of Fairfax	<.01	<.05	<.05	<.05	<.02		0.12
AMB-089	Town of Fairfax	<.01	<.01	<.02	<.01	<.05	27	0.14
AMB-090	Frogmore	<.01	<.05	<.05	<.05	<.02	24	0.26
AMB-090	Frogmore	<.01	<.01	<.02	<.01	<.05	24	0.24
AMB-091	Sheldon	<.01	<.05	<.05	<.05	<.02	31	0.49
AMB-091	Sheldon	<.01	<.05	<.05	<.05	<.02		0.46
AMB-091	Sheldon	<.01	<.01	<.02	<.01	<.05	30	0.49
AMB-091	Sheldon	<.01	<.01	<.02	<.01	<.05	30	0.46
AMB-092	Wexford	<.01	<.05	<.05	<.05	<.02	39	0.54
AMB-092	Wexford	<.01	<.01	<.02	0.01	0.46		0.73
AMB-092	Wexford	<.01	<.01	<.02	0.01	<.05	31	0.79
AMB-092	Wexford	<.01	<.01	<.02	0.01	<.05	26	0.74
AMB-093	Bluffton	<.01	<.05	<.05	<.05	<.02	30	1.20
AMB-093	Bluffton	<.01	<.01	<.02	<.01	<.05		1.10
AMB-093	Bluffton	<.01	<.01	<.02	<.01	<.05	28	0.99

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-074	Guthries	0.55	ND
AMB-075	Abbeville Shallow Well	1.04	0.20
AMB-075	Abbeville Shallow Well	0.83	ND
AMB-075	Abbeville Shallow Well	1.34	ND
AMB-076	Starr Deep Well	<.02	0.26
AMB-076	Starr Deep Well	3.6	1.5
AMB-076	Starr Deep Well	1.42	ND
AMB-077	Town of Blacksburg		
AMB-077	Town of Blacksburg	<.02	ND
AMB-078	Town of Mauldin #2	2.00	0.20
AMB-079	Fork Shoals	0.06	0.16
AMB-079	Fork Shoals	<.02	ND
AMB-079	Fork Shoals	0.061	0.14
AMB-080	Newberry	0.56	ND
AMB-080	Newberry	0.72	ND
AMB-081	Mountain Rest	1.10	0.10
AMB-081	Mountain Rest	1.56	ND
AMB-081	Mountain Rest	1.76	ND
AMB-082	Pickens	0.05	ND
AMB-082	Pickens	0.04	ND
AMB-082	Pickens	0.28	ND
AMB-083	Union	7.40	0.10
AMB-083	Union	4.0	ND
AMB-084	McClellanville	<.02	0.92
AMB-085	#13	<.02	1.11
AMB-086	Bennets Point-Baily	<.02	0.65
AMB-086	Bennets Point-Baily	<.02	1.26
AMB-086	Bennets Point-Baily	<.02	0.52
AMB-086	Bennets Point-Baily	<.02	0.7
AMB-087	Santee	<.02	0.58
AMB-088	Socastee	<.02	0.26
AMB-088	Socastee	0.04	0.06
AMB-089	Town of Fairfax	<.02	0.27
AMB-089	Town of Fairfax	<.02	0.16
AMB-089	Town of Fairfax	<.02	0.24
AMB-090	Frogmore	<.02	0.27
AMB-090	Frogmore	0.19	0.21
AMB-091	Sheldon	<.02	0.32
AMB-091	Sheldon	<.02	0.35
AMB-091	Sheldon	<.02	0.38
AMB-091	Sheldon	0.14	0.21
AMB-092	Wexford	<.02	0.20
AMB-092	Wexford	0.12	0.10
AMB-092	Wexford	<.02	0.71
AMB-092	Wexford	<.02	0.74
AMB-093	Bluffton	<.02	0.31
AMB-093	Bluffton	<.02	0.22
AMB-093	Bluffton	<.02	0.24

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-093	Bluffton	32.2790306	-80.8162444	Beaufort	Sav-Salk
AMB-094	City of Walterboro 29	32.9076556	-80.6678111	Collenton	Sav-Salk
AMB-094	City of Walterboro 29	32.9076556	-80.6678111	Collenton	Sav-Salk
AMB-094	City of Walterboro 29	32.9076556	-80.6678111	Collenton	Sav-Salk
AMB-094	City of Walterboro 29	32.9076556	-80.6678111	Collenton	Sav-Salk
AMB-095	#4	32.5140389	-80.3093472	Collenton	Saluda-Edisto
AMB-095	#4	32.5140389	-80.3093472	Collenton	Saluda-Edisto
AMB-095	#4	32.5140389	-80.3093472	Collenton	Saluda-Edisto
AMB-095	#4	32.5140389	-80.3093472	Collenton	Saluda-Edisto
AMB-096	Institute	33.0863778	-80.2939667	Dorchester	Catawba
AMB-096	Institute	33.0863778	-80.2939667	Dorchester	Catawba
AMB-096	Institute	33.0863778	-80.2939667	Dorchester	Catawba
AMB-097	Town of Hardeeville	32.2719167	-81.08335	Jasper	Sav-Salk
AMB-097	Town of Hardeeville	32.2719167	-81.08335	Jasper	Sav-Salk
AMB-097	Town of Hardeeville	32.2719167	-81.08335	Jasper	Sav-Salk
AMB-097	Town of Hardeeville	32.2719167	-81.08335	Jasper	Sav-Salk
AMB-098	Town of Ridgeland	32.4859833	-80.9698694	Jasper	Sav-Salk
AMB-098	Town of Ridgeland	32.4859833	-80.9698694	Jasper	Sav-Salk
AMB-098	Town of Ridgeland	32.4859833	-80.9698694	Jasper	Sav-Salk
AMB-099	Town of Grays	32.6663278	-81.0232278	Jasper	Sav-Salk
AMB-099	Town of Grays	32.6663278	-81.0232278	Jasper	Sav-Salk
AMB-099	Town of Grays	32.6663278	-81.0232278	Jasper	Sav-Salk
AMB-099	Town of Grays	32.6663278	-81.0232278	Jasper	Sav-Salk
AMB-100	Cope Vocation Center	33.3744389	-81.0067222	Orangeburg	Saluda-Edisto
AMB-100	Cope Vocation Center	33.3744389	-81.0067222	Orangeburg	Saluda-Edisto
AMB-100	Cope Vocation Center	33.3744389	-81.0067222	Orangeburg	Saluda-Edisto
AMB-101	Fish Hatchery #2	33.4675139	-80.8588972	Orangeburg	Saluda-Edisto
AMB-101	Fish Hatchery #2	33.4675139	-80.8588972	Orangeburg	Saluda-Edisto
AMB-101	Fish Hatchery #2	33.4675139	-80.8588972	Orangeburg	Saluda-Edisto
AMB-101	Fish Hatchery #2	33.4675139	-80.8588972	Orangeburg	Saluda-Edisto
AMB-101	Fish Hatchery #2	33.4675139	-80.8588972	Orangeburg	Saluda-Edisto
AMB-102	Town of Blackville	33.353575	-81.269725	Barnwell	Saluda-Edisto
AMB-102	Town of Blackville	33.353575	-81.269725	Barnwell	Saluda-Edisto
AMB-102	Town of Blackville	33.353575	-81.269725	Barnwell	Saluda-Edisto
AMB-102	Town of Blackville	33.353575	-81.269725	Barnwell	Saluda-Edisto
AMB-103	Oak Grove Elementary	33.9855083	-81.1580722	Lexington	Saluda-Edisto
AMB-103	Oak Grove Elementary	33.9855083	-81.1580722	Lexington	Saluda-Edisto
AMB-103	Oak Grove Elementary	33.9855083	-81.1580722	Lexington	Saluda-Edisto
AMB-103	Oak Grove Elementary	33.9855083	-81.1580722	Lexington	Saluda-Edisto
AMB-104	Town of North	33.6457361	-81.0949083	Orangeburg	Saluda-Edisto
AMB-104	Town of North	33.6457361	-81.0949083	Orangeburg	Saluda-Edisto
AMB-104	Town of North	33.6457361	-81.0949083	Orangeburg	Saluda-Edisto
AMB-104	Town of North	33.6457361	-81.0949083	Orangeburg	Saluda-Edisto
AMB-105	Pickney estates	33.8654889	-80.3426278	Sumter	Pee Dee
AMB-105	Pickney estates	33.8654889	-80.3426278	Sumter	Pee Dee
AMB-106	Hamilton Branch	33.7541778	-82.2039722	McCormick	Sav-Salk
AMB-106	Hamilton Branch	33.7541778	-82.2039722	McCormick	Sav-Salk
AMB-107	Fairview Forest Manor	33.9347889	-82.1223944	Edgefield	Sav-Salk

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-093	Bluffton	Tertiary Limestone	01-Jul-00	7.9	579	330	190
AMB-094	City of Walterboro 29	Tertiary Limestone	01-May-88	8.7	342	240	11
AMB-094	City of Walterboro 29	Tertiary Limestone	01-May-93	9.0	356	220	8.0
AMB-094	City of Walterboro 29	Tertiary Limestone	01-May-98	8.7		250	12
AMB-094	City of Walterboro 29	Tertiary Limestone	01-Jul-00	8.8	392	250	11
AMB-095	#4	Tertiary Limestone	01-May-88	8.7	4020	2300	78
AMB-095	#4	Tertiary Limestone	01-May-93	8.5	1970	1200	31
AMB-095	#4	Tertiary Limestone	01-May-98	8.2		2300	100
AMB-095	#4	Tertiary Limestone	15-May-01	8.0	0.767	2000	
AMB-096	Institute	Tertiary Limestone	01-May-89	7.6	270	170	68
AMB-096	Institute	Tertiary Limestone	01-Jul-94	8.1	316	160	74
AMB-096	Institute	Tertiary Limestone	01-Jul-99	8.0	310	170	78
AMB-097	Town of Hardeeville	Tertiary Limestone	01-May-88	8.1	213	150	80
AMB-097	Town of Hardeeville	Tertiary Limestone	01-May-93	7.9	234	160	88
AMB-097	Town of Hardeeville	Tertiary Limestone	01-May-98	8.1	210	150	82
AMB-097	Town of Hardeeville	Tertiary Limestone	01-Jul-00	8.2	235	140	78
AMB-098	Town of Ridgeland	Tertiary Limestone	01-May-88	7.8	250	180	140
AMB-098	Town of Ridgeland	Tertiary Limestone	01-May-93	7.8	294	190	130
AMB-098	Town of Ridgeland	Tertiary Limestone	01-May-98	7.9	288	190	130
AMB-098	Town of Ridgeland	Tertiary Limestone	01-Jul-00	7.7	2	200	120
AMB-099	Town of Grays	Tertiary Limestone	01-May-88	7.9	238	180	120
AMB-099	Town of Grays	Tertiary Limestone	01-May-93	8.0	262	160	120
AMB-099	Town of Grays	Tertiary Limestone	01-May-98	7.9	249	190	120
AMB-099	Town of Grays	Tertiary Limestone	01-Jul-00	7.9	269	180	110
AMB-100	Cope Vocation Center	Tertiary Limestone	01-May-88	7.1	147	140	74
AMB-100	Cope Vocation Center	Tertiary Limestone	01-May-93	7.4	188	140	78
AMB-100	Cope Vocation Center	Tertiary Limestone	01-May-98	7.4		140	77
AMB-101	Fish Hatchery #2		01-May-88	7.4	205	170	110
AMB-101	Fish Hatchery #2		01-May-93	7.3	56	120	96
AMB-101	Fish Hatchery #2		01-May-98	8.1	242	160	110
AMB-101	Fish Hatchery #2		15-May-01	7.7	241	160	
AMB-102	Town of Blackville	Tertiary Sand	01-May-88	7.6	198	140	110
AMB-102	Town of Blackville	Tertiary Sand	01-May-93	7.7	223	160	120
AMB-102	Town of Blackville	Tertiary Sand	01-May-98	7.7		64	110
AMB-102	Town of Blackville	Tertiary Sand	15-May-01	7.7	217	170	
AMB-103	Oak Grove Elementary	Tertiary Sands	01-May-87	4.9	18	12	2.0
AMB-103	Oak Grove Elementary	Tertiary Sands	01-Dec-91	7.7	290	170	2.0
AMB-103	Oak Grove Elementary	Tertiary Sands	01-May-97	7.7		120	3.0
AMB-103	Oak Grove Elementary	Tertiary Sands	15-May-01	4.8	26.1	32	
AMB-104	Town of North	Tertiary Sands	01-May-88	5.1	22	22	3.0
AMB-104	Town of North	Tertiary Sands	01-May-93	5.2	25	20	3.0
AMB-104	Town of North	Tertiary Sands	01-May-98	5.5		20	4
AMB-104	Town of North	Tertiary Sands	15-May-01	5.3	28.7	38	
AMB-105	Pickney estates	Tertiary Sands	01-May-89	6.2	62	78	19
AMB-105	Pickney estates	Tertiary Sands	01-Jul-94	6.2	69	38	22
AMB-106	Hamilton Branch	Piedmont Bedrock	01-Jun-91	7.0	114	86	36
AMB-106	Hamilton Branch	Piedmont Bedrock	01-Jul-96	7.2	120	91	35
AMB-107	Fairview Forest Manor	Piedmont Bedrock	01-Jun-91	6.2	70	84	9.0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-093	Bluffton	2.1	94.3	2.66	49.53	9	0.19	3.54
AMB-094	City of Walterboro 29	<1	4.5	0.13	3.79	<10	0	0
AMB-094	City of Walterboro 29	11.7	4.4	0.12	3.82	<10	0	0
AMB-094	City of Walterboro 29	22	4.9	0.14	2.82	82	1.71	34.48
AMB-094	City of Walterboro 29	2.3	5	0.14	4.05	9	0.19	5.49
AMB-095	#4	4.1	750	21.13	68.51	65	1.35	4.38
AMB-095	#4	37	568	16	64.8	85	1.77	7.17
AMB-095	#4	6.2	1300	36.62	82.98	<5	0	0
AMB-095	#4	<2	1100	30.99	75.24	96	2	4.86
AMB-096	Institute	1.0	<1	0	0	<10	0	0
AMB-096	Institute	3.0	5.5	0.15	5.43	<5	0	0
AMB-096	Institute	<2	5.1	0.14	5.09	<5	0	0
AMB-097	Town of Hardeeville	<1	3.5	0.1	5.35	<10	0	0
AMB-097	Town of Hardeeville	7.7	7.4	0.21	10.71	<10	0	0
AMB-097	Town of Hardeeville		3.6	0.1	5.68	<5	0	0
AMB-097	Town of Hardeeville	<2	3.7	0.1	5.03	7	0.15	7.54
AMB-098	Town of Ridgeland	<1	5.0	0.14	5.26	<10	0	0
AMB-098	Town of Ridgeland	1.7	5.1	0.14	5.38	<10	0	0
AMB-098	Town of Ridgeland		5.4	0.15	6.1	<5	0	0
AMB-098	Town of Ridgeland	<2	5.5	0.15	5.79	5	0.1	3.86
AMB-099	Town of Grays	<1	3.5	0.1	4.24	<10	0	0
AMB-099	Town of Grays	70	4.0	0.11	4.7	<10	0	0
AMB-099	Town of Grays		4	0.11	4.6	11	0.23	9.62
AMB-099	Town of Grays	<2	4.1	0.12	5.19	6	0.12	5.19
AMB-100	Cope Vocation Center	1.1	2.0	0.06	4.84	<10	0	0
AMB-100	Cope Vocation Center	5.8	0.22	0.01	0.64	11	0.23	14.65
AMB-100	Cope Vocation Center	<2	1.6	0.05	3.42	7	0.15	10.27
AMB-101	Fish Hatchery #2	<1	6.0	0.17	9.09	<10	0	0
AMB-101	Fish Hatchery #2	8.3	2.7	0.08	5.03	<10	0	0
AMB-101	Fish Hatchery #2	<2	4.9	0.14	9.52	<5	0	0
AMB-101	Fish Hatchery #2	<2	5.9	0.17	7.91	8.6	0.18	8.37
AMB-102	Town of Blackville	<1	2.5	0.07	3.61	<10	0	0
AMB-102	Town of Blackville	7.8	2.5	0.07	4.02	<10	0	0
AMB-102	Town of Blackville	<2	2.6	0.07	3.91	<5	0	0
AMB-102	Town of Blackville	<2	2.8	0.08	3.98	6.1	0.13	6.47
AMB-103	Oak Grove Elementary	<1	2.0	0.06	66.67	<10	0	0
AMB-103	Oak Grove Elementary	1.4	71.1	2	58.65	12	0.25	7.33
AMB-103	Oak Grove Elementary	2.8	3.4	0.1	5.49	<5	0	0
AMB-103	Oak Grove Elementary	<2	2.4	0.07	100	<5	0	0
AMB-104	Town of North	<1	2.5	0.07	70	<10	0	0
AMB-104	Town of North	1.8	2.6	0.07	100	<10	0	0
AMB-104	Town of North	<2	2.8	0.08	72.73	<5	0	0
AMB-104	Town of North	<2	3.0	0.08	100	<5	0	0
AMB-105	Pickney estates	<1	2.5	0.07	20	<10	0	0
AMB-105	Pickney estates	1.8	2.8	0.08	12.5	11	0.23	35.94
AMB-106	Hamilton Branch	2.3	5.1	0.14	14.14	<10	0	0
AMB-106	Hamilton Branch	2.4	4.7	0.13	12.75	<5	0	0
AMB-107	Fairview Forest Manor	2.2	3.8	0.11	22	<10	0	0

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-093	Bluffton	154	2.52	46.93	46	2.29	40.67	18
AMB-094	City of Walterboro 29	201	3.3	96.21	2.5	0.12	3.17	1.1
AMB-094	City of Walterboro 29	184	3.02	96.18	2	0.1	2.59	0.69
AMB-094	City of Walterboro 29	190	3.11	62.7	2.6	0.13	3.02	1.3
AMB-094	City of Walterboro 29	191	3.13	90.46	2.4	0.12	3.05	1.2
AMB-095	#4	510	8.36	27.11	9.8	0.49	1.7	13
AMB-095	#4	422	6.92	28.03	4	0.2	1.04	5.2
AMB-095	#4	458	7.51	17.02	11	0.55	1.52	18
AMB-095	#4	500	8.2	19.91			0	
AMB-096	Institute	152	2.49	100	18	0.9	28.12	5.7
AMB-096	Institute	159	2.61	94.57	19	0.95	27.94	6.5
AMB-096	Institute	159	2.61	94.91	20	1	28.01	6.8
AMB-097	Town of Hardeeville	108	1.77	94.65	18	0.9	40.18	8.4
AMB-097	Town of Hardeeville	107	1.75	89.29	21	1.05	42.17	8.6
AMB-097	Town of Hardeeville	101	1.66	94.32	18	0.9	37.19	9
AMB-097	Town of Hardeeville	106	1.74	87.44	17	0.85	37.12	8.6
AMB-098	Town of Ridgeland	154	2.52	94.74	44	2.19	66.97	6.8
AMB-098	Town of Ridgeland	150	2.46	94.62	43	2.14	66.67	6.2
AMB-098	Town of Ridgeland	141	2.31	93.9	42	2.09	64.71	6.9
AMB-098	Town of Ridgeland	143	2.34	90.35	40	2	66.67	5.7
AMB-099	Town of Grays	138	2.26	95.76	41	2.04	73.91	4.4
AMB-099	Town of Grays	136	2.23	95.3	41	2.04	72.6	4.2
AMB-099	Town of Grays	125	2.05	85.77	41	2.04	70.83	4.5
AMB-099	Town of Grays	126	2.07	89.61	39	1.95	73.31	3.7
AMB-100	Cope Vocation Center	72	1.18	95.16	25	1.25	78.12	2.9
AMB-100	Cope Vocation Center	81	1.33	84.71	26	1.3	69.52	3.1
AMB-100	Cope Vocation Center	77	1.26	86.3	26	1.3	69.89	3
AMB-101	Fish Hatchery #2	104	1.7	90.91	42	2.09	84.27	2.4
AMB-101	Fish Hatchery #2	92	1.51	94.97	35	1.75	78.48	2.2
AMB-101	Fish Hatchery #2	81	1.33	90.48	40	2	79.37	2.6
AMB-101	Fish Hatchery #2	110	1.8	83.72	43	2.14	81.68	2
AMB-102	Town of Blackville	114	1.87	96.39	43	2.14	92.24	1.2
AMB-102	Town of Blackville	102	1.67	95.98	44	2.19	90.87	1.3
AMB-102	Town of Blackville	105	1.72	96.09	43	2.14	90.68	1.3
AMB-102	Town of Blackville	110	1.8	89.55	42	2.09	91.67	1
AMB-103	Oak Grove Elementary	2.0	0.03	33.33	0.27	0.01	10	0.33
AMB-103	Oak Grove Elementary	71	1.16	34.02	0.33	0.02	0.68	0.39
AMB-103	Oak Grove Elementary	105	1.72	94.51	0.44	0.02	0.83	0.5
AMB-103	Oak Grove Elementary	<1	0	0	0.47	0.02	11.76	1
AMB-104	Town of North	2.0	0.03	30	0.60	0.03	18.75	0.37
AMB-104	Town of North	<1	0	0	0.62	0.03	18.75	0.41
AMB-104	Town of North	2	0.03	27.27	0.82	0.04	18.18	0.56
AMB-104	Town of North	<1	0	0	0.77	0.04	25	0
AMB-105	Pickney estates	17	0.28	80	6.1	0.3	66.67	0.81
AMB-105	Pickney estates	20	0.33	51.56	7.6	0.38	62.3	0.84
AMB-106	Hamilton Branch	52	0.85	85.86	6.5	0.32	25.81	4.9
AMB-106	Hamilton Branch	54	0.89	87.25	6.2	0.31	25.41	4.7
AMB-107	Fairview Forest Manor	24	0.39	78	3.1	0.15	23.08	0.20

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-093	Bluffton	26.29	1.48	41	1.78	3	0.08	33.04
AMB-094	City of Walterboro 29	2.38	0.09	82	3.57	<1	0	94.44
AMB-094	City of Walterboro 29	1.55	0.06	82	3.57	5	0.13	95.85
AMB-094	City of Walterboro 29	2.56	0.11	88	3.83	9	0.23	94.42
AMB-094	City of Walterboro 29	2.54	0.1	81	3.52	8	0.2	94.42
AMB-095	#4	3.7	1.07	617	26.83	20	0.51	94.6
AMB-095	#4	2.23	0.43	420	18.26	14	0.36	96.73
AMB-095	#4	4.09	1.48	770	33.48	25	0.64	94.38
AMB-095	#4		0					
AMB-096	Institute	14.69	0.47	38	1.65	7	0.18	57.19
AMB-096	Institute	15.59	0.53	40	1.74	7	0.18	56.47
AMB-096	Institute	15.69	0.56	41	1.78	9	0.23	56.3
AMB-097	Town of Hardeeville	30.8	0.69	15	0.65	<1	0	29.02
AMB-097	Town of Hardeeville	28.51	0.71	15	0.65	3	0.08	29.32
AMB-097	Town of Hardeeville	30.58	0.74	16	0.7	3	0.08	32.23
AMB-097	Town of Hardeeville	31	0.71	15	0.65	3	0.08	31.88
AMB-098	Town of Ridgeland	17.13	0.56	12	0.52	<1	0	15.9
AMB-098	Town of Ridgeland	15.89	0.51	11	0.48	3	0.08	17.45
AMB-098	Town of Ridgeland	17.65	0.57	12	0.52	2	0.05	17.65
AMB-098	Town of Ridgeland	15.67	0.47	11	0.48	2	0.05	17.67
AMB-099	Town of Grays	13.04	0.36	8.3	0.36	<1	0	13.04
AMB-099	Town of Grays	12.46	0.35	8.6	0.37	2	0.05	14.95
AMB-099	Town of Grays	12.85	0.37	8.6	0.37	4	0.1	16.32
AMB-099	Town of Grays	11.28	0.3	8.2	0.36	2	0.05	15.41
AMB-100	Cope Vocation Center	15	0.24	2.5	0.11	<1	0	6.87
AMB-100	Cope Vocation Center	13.9	0.26	2.6	0.11	8	0.2	16.58
AMB-100	Cope Vocation Center	13.44	0.25	2.6	0.11	8	0.2	16.67
AMB-101	Fish Hatchery #2	8.06	0.2	4.3	0.19	<1	0	7.66
AMB-101	Fish Hatchery #2	8.07	0.18	2.8	0.12	7	0.18	13.45
AMB-101	Fish Hatchery #2	8.33	0.21	3.6	0.16	6	0.15	12.3
AMB-101	Fish Hatchery #2	6.11	0.16	3.9	0.17	6.0	0.15	12.21
AMB-102	Town of Blackville	4.31	0.1	1.80	0.08	<1	0	3.45
AMB-102	Town of Blackville	4.56	0.11	1.8	0.08	1	0.03	4.56
AMB-102	Town of Blackville	4.66	0.11	1.8	0.08	1	0.03	4.66
AMB-102	Town of Blackville	3.51	0.08	1.8	0.08	1.3	0.03	4.82
AMB-103	Oak Grove Elementary	30	0.03	1.40	0.06	<1	0	60
AMB-103	Oak Grove Elementary	1.01	0.03	67	2.91	0	0	98.31
AMB-103	Oak Grove Elementary	1.66	0.04	54	2.35	<1	0	97.51
AMB-103	Oak Grove Elementary	47.06	0.08	1.7	0.07	<1	0	41.18
AMB-104	Town of North	18.75	0.03	2.20	0.1	<1	0	62.5
AMB-104	Town of North	18.75	0.03	2.3	0.1	<1	0	62.5
AMB-104	Town of North	22.73	0.05	3.1	0.13	<1	0	59.09
AMB-104	Town of North	0	0	2.8	0.12	<1	0	75
AMB-105	Pickney estates	15.56	0.07	1.80	0.08	<1	0	17.78
AMB-105	Pickney estates	11.48	0.07	1.90	0.08	3	0.08	26.23
AMB-106	Hamilton Branch	32.26	0.4	12	0.52	<1	0	41.94
AMB-106	Hamilton Branch	31.97	0.39	12	0.52	<1	0	42.62
AMB-107	Fairview Forest Manor	3.08	0.02	11	0.48	<1	0	73.85

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-093	Bluffton		<.005	<.05	<.01	<.02	<.05
AMB-094	City of Walterboro 29	1.40	<.005	<.05	<.05	<.05	<.05
AMB-094	City of Walterboro 29	0.84	<.005	<.05	0.04	0.09	<.05
AMB-094	City of Walterboro 29	1.12	<.005	<.05	<.01	<.02	<.05
AMB-094	City of Walterboro 29	1.09	<.005	<.05	<.01	<.02	<.05
AMB-095	#4	1.40	<.005	<.05	<.05	0.60	<.05
AMB-095	#4	2.9	<.005	<.05	<.01	<.02	<.05
AMB-095	#4	2.43	<.005	<.05	<.01	0.1	<.05
AMB-095	#4	2.6	<.005				
AMB-096	Institute	0.28	<.005	<.05	<.05	0.01	<.05
AMB-096	Institute	0.28	<.005	<.05	<.01	<.02	<.05
AMB-096	Institute	0.21	<.005	<.05	<.01	<.02	<.05
AMB-097	Town of Hardeeville	0.70	<.005	<.05	<.05	<.05	<.05
AMB-097	Town of Hardeeville	0.41	<.005	<.05	<.05	<.05	<.05
AMB-097	Town of Hardeeville	0.46	<.005	<.05	<.01	<.02	<.05
AMB-097	Town of Hardeeville		<.005	<.05	<.01	<.02	<.05
AMB-098	Town of Ridgeland	0.20	<.005	<.05	<.05	<.05	<.05
AMB-098	Town of Ridgeland	0.19	<.005	<.05	<.05	<.05	<.05
AMB-098	Town of Ridgeland	0.1	<.005	<.05	<.01	<.02	<.05
AMB-098	Town of Ridgeland	0.2	<.005	<.05	<.01	<.02	<.05
AMB-099	Town of Grays	0.30	<.005	<.05	<.05	<.05	<.05
AMB-099	Town of Grays	0.14	<.005	<.05	<.05	<.05	<.05
AMB-099	Town of Grays	0.13	<.005	<.05	<.01	<.02	<.05
AMB-099	Town of Grays	0.16	<.005	<.05	<.01	<.02	<.05
AMB-100	Cope Vocation Center	0.20	<.005	<.05	<.05	1.70	<.05
AMB-100	Cope Vocation Center	0.22	<.005	<.05	<.05	1.1	<.05
AMB-100	Cope Vocation Center	0.16	<.005	<.05	0.04	0.98	<.05
AMB-101	Fish Hatchery #2	0.10	<.005	<.05	<.05	0.38	<.05
AMB-101	Fish Hatchery #2	0.16	<.005	0.16	<.01	0.75	
AMB-101	Fish Hatchery #2		<.005	<.05	<.01	0.08	<.05
AMB-101	Fish Hatchery #2	<.1	<.005	<.05	<.01	0.079	<.05
AMB-102	Town of Blackville	0.10	<.005	<.05	<.05	0.60	<.05
AMB-102	Town of Blackville	0.10	<.005	<.05	<.05	0.63	<.05
AMB-102	Town of Blackville	0.14	<.005	0.34	<.01	0.32	<.05
AMB-102	Town of Blackville	<.1	<.005	0.21	<.01	0.29	<.05
AMB-103	Oak Grove Elementary	<.1	<.005	<.05	<.05	<.05	<.05
AMB-103	Oak Grove Elementary	0.12	<.005	<.05	<.05	<.05	<.05
AMB-103	Oak Grove Elementary	<.1	<.005	<.05	<.01	<.02	<.05
AMB-103	Oak Grove Elementary	<.1	<.005	<.05	0.065	0.062	<.05
AMB-104	Town of North	<.1	<.005	<.05	<.05	<.05	<.05
AMB-104	Town of North	<.1	<.005	<.05	0.01	<.05	<.05
AMB-104	Town of North	<.1	<.005	<.05	0.01	<.02	<.05
AMB-104	Town of North	<.1	<.005	<.05	<.01	<.02	<.05
AMB-105	Pickney estates	0.10	<.005	0.06	<.01	1.20	<.05
AMB-105	Pickney estates	0.19	<.005	0.06	<.01	1.00	<.05
AMB-106	Hamilton Branch	0.16	<.005	<.05	<.05	<.05	<.05
AMB-106	Hamilton Branch	0.1	<.005	<.05	<.01	<.02	<.05
AMB-107	Fairview Forest Manor	2.60	<.005	<.05	0.03	<.05	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-093	Bluffton	0.02	<.01	<.1	<.003	<.1	<.02
AMB-094	City of Walterboro 29	<.05	<.05	<.05	<.001	0.16	<.05
AMB-094	City of Walterboro 29	<.05	0.02	<.05	<.001	0.28	<.05
AMB-094	City of Walterboro 29	<.01	<.01	<.1	<.003	0.2	<.02
AMB-094	City of Walterboro 29	<.01	<.01	0.2	<.003	0.2	<.02
AMB-095	#4	<.05	0.09	<.05	<.001	1.90	<.05
AMB-095	#4	<.01	<.01	<.05	.003	<.02	<.02
AMB-095	#4	<.01	<.01	<.1	<.003	2.4	<.02
AMB-095	#4						
AMB-096	Institute	<.01	<.01	<.05	<.001	0.06	<.02
AMB-096	Institute	<.01	<.01	<.05	<.003	0.06	<.02
AMB-096	Institute	<.01	<.01	<.1	<.003	<.1	<.02
AMB-097	Town of Hardeeville	<.05	<.05	<.05	<.001	<.05	<.05
AMB-097	Town of Hardeeville	<.05	0.01	<.05	<.001	<.05	<.05
AMB-097	Town of Hardeeville	<.01	<.01	<.1	<.003	0.03	<.02
AMB-097	Town of Hardeeville	<.01	<.01	<.1	<.003	<.1	<.02
AMB-098	Town of Ridgeland	0.06	<.05	<.05	<.001	<.05	<.05
AMB-098	Town of Ridgeland	0.06	<.05	<.05	<.001	<.05	<.05
AMB-098	Town of Ridgeland	0.05	<.01	<.1	<.003	<.03	<.02
AMB-098	Town of Ridgeland	0.05	<.01	<.1	<.003	<.1	<.02
AMB-099	Town of Grays	<.05	<.05	<.05	<.001	<.05	<.05
AMB-099	Town of Grays	0.04	<.05	<.05	<.001	<.05	<.05
AMB-099	Town of Grays	0.03	<.01	<.1	<.003	<.03	<.02
AMB-099	Town of Grays	0.03	<.01	<.1	<.003	<.1	<.02
AMB-100	Cope Vocation Center	0.05	0.60	<.05	<.001	<.05	<.05
AMB-100	Cope Vocation Center	0.06	0.04	<.05	<.001	<.05	
AMB-100	Cope Vocation Center	0.07	4.2	<.1	0.003	<.03	<.02
AMB-101	Fish Hatchery #2	0.07	0.06	<.05	<.001	<.05	<.05
AMB-101	Fish Hatchery #2	0.05					
AMB-101	Fish Hatchery #2	<.01	0.01	<.1	<.003	<.03	<.02
AMB-101	Fish Hatchery #2	0.060	0.023	<.1	<.003	<.1	<.02
AMB-102	Town of Blackville	<.05	<.05	<.05	<.001	<.05	<.05
AMB-102	Town of Blackville	0.03	<.05	<.05	<.001	<.05	<.05
AMB-102	Town of Blackville	0.02	<.01	<.1	<.003	<.03	<.02
AMB-102	Town of Blackville	0.026	<.01	<.1	<.003	<.1	<.02
AMB-103	Oak Grove Elementary	<.05	<.05	<.05	<.001	<.05	<.05
AMB-103	Oak Grove Elementary	<.05	0.03	0.09	<.001	<.05	<.05
AMB-103	Oak Grove Elementary	0.01	<.01	0.08	<.003	0.09	<.02
AMB-103	Oak Grove Elementary	0.015	0.021	<.1	0.0039	<.1	<.02
AMB-104	Town of North	<.05	<.05	<.05	<.001	<.05	<.05
AMB-104	Town of North	<.05	0.02	<.05	<.001	<.05	<.05
AMB-104	Town of North	<.01	0.02	<.1	0.004	<.03	<.02
AMB-104	Town of North	<.01	<.01	<.1	<.003	<.1	<.02
AMB-105	Pickney estates	0.02	0.01	<.05	<.001	<.02	<.02
AMB-105	Pickney estates	0.02	0.01	<.05	<.003	<.03	<.02
AMB-106	Hamilton Branch	<.05	<.01	<.05	<.001	<.05	<.05
AMB-106	Hamilton Branch	<.01	0.02	<.05	<.003	<.03	<.02
AMB-107	Fairview Forest Manor	<.01	0.01	0.75	0.07	0.01	0.00

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-093	Bluffton	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-094	City of Walterboro 29	<.0002	<.1	<.005	<.05	<1	<.15
AMB-094	City of Walterboro 29	<.0002	.04	<.005	<.05	<1	<.15
AMB-094	City of Walterboro 29	<.0002	<.02	<.005	<.03	<.5	0.21
AMB-094	City of Walterboro 29	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-095	#4	<.0002	<.02	<.005	<.05	<1	<.15
AMB-095	#4	<.0002	<.03	<.005	<.05	<1	<.01
AMB-095	#4	<.0002	<.02	<.005	<.03	<.5	0.16
AMB-095	#4	<.0002		<.002			
AMB-096	Institute	<.0002	<.02	<.005	<.05	<.5	<.15
AMB-096	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-096	Institute	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-097	Town of Hardeeville	<.0002	<.02	<.005	<.05	<1	<.15
AMB-097	Town of Hardeeville	<.0002	<.02	<.005	<.05	<1	<.15
AMB-097	Town of Hardeeville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-097	Town of Hardeeville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-098	Town of Ridgeland	<.0002	<.02	<.005	<.05	<1	<.15
AMB-098	Town of Ridgeland	<.0002	<.02	<.005	<.05	<1	<.15
AMB-098	Town of Ridgeland	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-099	Town of Grays	<.0002	<.02	<.005	<.05	<1	<.15
AMB-099	Town of Grays	<.0002	<.02	<.005	<.05	<1	<.15
AMB-099	Town of Grays	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-099	Town of Grays	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-100	Cope Vocation Center	<.0002	<.02	<.005	<.05	<1	<.15
AMB-100	Cope Vocation Center						
AMB-100	Cope Vocation Center	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-101	Fish Hatchery #2	<.0002	<.02	<.005	<.05	<1	<.15
AMB-101	Fish Hatchery #2						
AMB-101	Fish Hatchery #2	<.0002	<.02	<.005	<.03	<.5	0.39
AMB-101	Fish Hatchery #2	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-102	Town of Blackville	<.0002	<.1	<.005	<.05	<1	<.15
AMB-102	Town of Blackville	<.0002					
AMB-102	Town of Blackville	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-102	Town of Blackville	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-103	Oak Grove Elementary	<.0002					
AMB-103	Oak Grove Elementary	<.0002					
AMB-103	Oak Grove Elementary	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-103	Oak Grove Elementary	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-104	Town of North	<.0002	<.1	<.005	<.05	<1	<.15
AMB-104	Town of North	<.0002					
AMB-104	Town of North	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-104	Town of North	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-105	Pickney estates	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-105	Pickney estates	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-106	Hamilton Branch	<.0002					
AMB-106	Hamilton Branch	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-107	Fairview Forest Manor	<.0002					

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-093	Bluffton	<.01	<.01	<.02	<.01	<.05	29	1.1
AMB-094	City of Walterboro 29	<.01	<.05	<.05	<.05	<.02	28	0.06
AMB-094	City of Walterboro 29	<.01	<.05	<.05	<.05	<.02		0.04
AMB-094	City of Walterboro 29	<.01	<.01	<.02	<.01	<.05	29	0.06
AMB-094	City of Walterboro 29	<.01	<.01	<.02	<.01	<.05	29	0.06
AMB-095	#4	<.01	<.05	<.05	<.05	<.02	12	<1
AMB-095	#4	<.01	<.01	<.02	0.02	<.05		0.12
AMB-095	#4	<.01	<.01	<.02	0.05	<.05	29	1.1
AMB-095	#4						28	
AMB-096	Institute	<.01	<.01	<.02	<.01	<.05	22	0.11
AMB-096	Institute	<.01	<.01	<.02	<.01	<.05	0.03	0.12
AMB-096	Institute	<.01	<.01	<.02	<.01	<.05	22	0.12
AMB-097	Town of Hardeeville	<.01	<.05	<.05	<.05	<.02	39	0.49
AMB-097	Town of Hardeeville	<.01	<.05	<.05	<.05	<.02		0.46
AMB-097	Town of Hardeeville	<.01	<.01	<.02	<.01	<.05	41	0.48
AMB-097	Town of Hardeeville	<.01	<.01	<.02	<.01	<.05	42	0.49
AMB-098	Town of Ridgeland	<.01	<.05	<.05	<.05	<.02	35	0.36
AMB-098	Town of Ridgeland	<.01	<.05	<.05	<.05	<.02		0.32
AMB-098	Town of Ridgeland	<.01	<.01	<.02	<.01	<.05	35	0.34
AMB-098	Town of Ridgeland	<.01	<.01	<.02	<.01	<.05	34	0.33
AMB-099	Town of Grays	<.01	<.05	<.05	<.05	<.02	30	0.20
AMB-099	Town of Grays	<.01	<.05	<.05	<.05	<.02		0.19
AMB-099	Town of Grays	<.01	<.01	<.02	<.01	<.05	31	0.19
AMB-099	Town of Grays	<.01	<.01	<.02	<.01	<.05	30	0.18
AMB-100	Cope Vocation Center	<.01	<.05	<.05	<.05	<.02	40	0.14
AMB-100	Cope Vocation Center							0.14
AMB-100	Cope Vocation Center	<.01	<.01	<.02	0.01	<.05	24	0.14
AMB-101	Fish Hatchery #2	<.01	<.05	<.05	<.05	<.02	35	0.18
AMB-101	Fish Hatchery #2							0.17
AMB-101	Fish Hatchery #2	<.01	<.01	<.02	<.01	<.05	37	0.17
AMB-101	Fish Hatchery #2	<.01	<.01	<.02	<.01	<.05	34	0.18
AMB-102	Town of Blackville	<.01	<.01	<.05	<.05	<.02	39	0.10
AMB-102	Town of Blackville							0.10
AMB-102	Town of Blackville	<.01	<.01	<.02	<.01	<.05	41	0.1
AMB-102	Town of Blackville	<.01	<.01	<.02	<.01	<.05	37	0.076
AMB-103	Oak Grove Elementary	<.01	<.05					
AMB-103	Oak Grove Elementary						19	0.06
AMB-103	Oak Grove Elementary	<.01	<.01	<.02	<.01	<.05	5.5	<.01
AMB-103	Oak Grove Elementary	<.01	<.01	<.02	<.01	<.05	5.5	<.01
AMB-104	Town of North	<.01	<.01	<.05	<.05	<.02	7.9	<.05
AMB-104	Town of North							
AMB-104	Town of North	<.01	<.01	<.02	<.01	<.05	8.1	<.01
AMB-104	Town of North	<.01	<.01	<.02	<.01	<.05	27	<.01
AMB-105	Pickney estates	<.01	<.01	<.02	<.01	<.05	12	0.04
AMB-105	Pickney estates	<.01	<.01	<.02	<.01	<.05	8	0.05
AMB-106	Hamilton Branch						32	0.04
AMB-106	Hamilton Branch	<.01	<.01	<.02	<.01	<.05	28	0.04
AMB-107	Fairview Forest Manor						70	

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-093	Bluffton	<.02	0.2
AMB-094	City of Walterboro 29	<.02	0.37
AMB-094	City of Walterboro 29	0.07	0.15
AMB-094	City of Walterboro 29	<.02	0.17
AMB-094	City of Walterboro 29	<.02	0.22
AMB-095	#4	0.02	1.53
AMB-095	#4	<.02	0.72
AMB-095	#4	<.02	1.07
AMB-095	#4	<.02	1
AMB-096	Institute	<.02	0.46
AMB-096	Institute	<.02	ND
AMB-096	Institute	1.8	0.26
AMB-097	Town of Hardeeville	<.02	0.15
AMB-097	Town of Hardeeville	<.02	ND
AMB-097	Town of Hardeeville	<.02	1.2
AMB-097	Town of Hardeeville	<.02	ND
AMB-098	Town of Ridgeland	<.02	0.15
AMB-098	Town of Ridgeland	<.02	0.12
AMB-098	Town of Ridgeland	<.02	0.11
AMB-098	Town of Ridgeland	0.95	ND
AMB-099	Town of Grays	<.02	0.17
AMB-099	Town of Grays	<.02	0.28
AMB-099	Town of Grays	<.02	0.26
AMB-099	Town of Grays	0.27	ND
AMB-100	Cope Vocation Center	<.02	0.13
AMB-100	Cope Vocation Center	<.02	0.10
AMB-100	Cope Vocation Center	<.02	ND
AMB-101	Fish Hatchery #2	0.84	0.17
AMB-101	Fish Hatchery #2	<.02	
AMB-101	Fish Hatchery #2	0.38	ND
AMB-101	Fish Hatchery #2	0.85	
AMB-102	Town of Blackville	<.02	0.13
AMB-102	Town of Blackville	<.02	0.13
AMB-102	Town of Blackville	<.02	ND
AMB-102	Town of Blackville	<.02	ND
AMB-103	Oak Grove Elementary	0.42	
AMB-103	Oak Grove Elementary	1.26	0.01
AMB-103	Oak Grove Elementary	0.84	ND
AMB-103	Oak Grove Elementary	1.3	ND
AMB-104	Town of North	0.98	0.13
AMB-104	Town of North	1.05	0.10
AMB-104	Town of North	1.26	ND
AMB-104	Town of North	1.4	ND
AMB-105	Pickney estates	0.03	ND
AMB-105	Pickney estates	0.02	ND
AMB-106	Hamilton Branch		
AMB-106	Hamilton Branch	0.35	ND
AMB-107	Fairview Forest Manor		

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Latitude	Longitude	County	Sub-Basin
AMB-108	Caesar's Head	35.1074667	-82.6312611	Greenville	Saluda-Edisto
AMB-108	Caesar's Head	35.1074667	-82.6312611	Greenville	Saluda-Edisto
AMB-108	Caesar's Head	35.1074667	-82.6312611	Greenville	Saluda-Edisto
AMB-109	City of Spartanburg	34.9524111	-81.9354889	Spartanburg	Broad
AMB-109	City of Spartanburg	34.9524111	-81.9354889	Spartanburg	Broad
AMB-110	Chester State Park	34.6841167	-81.2444389	Chester	Broad
AMB-110	Chester State Park	34.6841167	-81.2444389	Chester	Broad
AMB-111	Church	34.6617583	-80.5575444	Lancaster	Pee Dee
AMB-111	Church	34.6617583	-80.5575444	Lancaster	Pee Dee
AMB-111	Church	34.6617583	-80.5575444	Lancaster	Pee Dee
AMB-112	Westside Estates	34.75565	-80.4063778	Chesterfield	Pee Dee
AMB-112	Westside Estates	34.75565	-80.4063778	Chesterfield	Pee Dee
AMB-112	Westside Estates	34.75565	-80.4063778	Chesterfield	Pee Dee
AMB-113	Amick Poultry	33.9483333	-81.6302833	Saluda	Saluda-Edisto
AMB-113	Amick Poultry	33.9483333	-81.6302833	Saluda	Saluda-Edisto
AMB-113	Amick Poultry	33.9483333	-81.6302833	Saluda	Saluda-Edisto
AMB-114	WSHB Radio	32.6821	-81.1292778	Hampton	Sav-Salk
AMB-114	WSHB Radio	32.6821	-81.1292778	Hampton	Sav-Salk
AMB-114	WSHB Radio	32.6821	-81.1292778	Hampton	Sav-Salk
AMB-115	McCormick CPW	0	0	McCormick	Sav-Salk
AMB-116	Pelion	33.6948056	-81.2295	Lexington	Saluda-Edisto
AMB-117	Brattonsville	34.8708333	-81.175	York	Catawba
AMB-118	Orangeburg Co.	33.4980556	-80.8527778	Orangeburg	Catawba
AMB-119	Mt. Pleasant	32.8452778	-79.8266667	Charleston	Catawba
AMB-120	Elgin	34.1737861	-80.6316	Kershaw	Catawba
AMB-121	McClellanville	33.0808333	-79.4588889	Charleston	Catawba
AMB-122	State Park	33.1722222	-79.3913889	Charleston	Catawba

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	Aquifer	ARRIVAL_DATE	pH	SP_CD	TDS	Hard
AMB-108	Caesar's Head	Piedmont Bedrock	01-Jun-91	8.4	681	370	5.0
AMB-108	Caesar's Head	Piedmont Bedrock	01-Jul-96	6.6	40	22	12
AMB-108	Caesar's Head	Piedmont Bedrock	15-May-01	6.2	63.1	28	
AMB-109	City of Spartanburg	Piedmont Bedrock	01-Jun-91	7.8	217	140	63
AMB-109	City of Spartanburg	Piedmont Bedrock	01-Jul-96	7.8	220	140	66
AMB-110	Chester State Park	Piedmont Bedrock	01-Jun-91	7.5	506	340	250
AMB-110	Chester State Park	Piedmont Bedrock	01-Jul-96	7.3	540	350	220
AMB-111	Church	Piedmont Bedrock	01-Jun-91	6.6	65	72	9.0
AMB-111	Church	Piedmont Bedrock	01-Jul-96	6.5	61	86	9
AMB-111	Church	Piedmont Bedrock	01-Jan-03	6.4	66.7	88	9.4
AMB-112	Westside Estates	Piedmont Bedrock	01-Jun-91	7.7	131	110	42
AMB-112	Westside Estates	Piedmont Bedrock	01-Jul-96	7.6	129	120	39
AMB-112	Westside Estates	Piedmont Bedrock	01-Jan-03	7.4	128	110	39
AMB-113	Amick Poultry	Piedmont Bedrock	01-Jun-91	6.4	117	78	30
AMB-113	Amick Poultry	Piedmont Bedrock	01-Jul-96	6.3	256	180	87
AMB-113	Amick Poultry	Piedmont Bedrock	15-May-01	6.5	211	150	
AMB-114	WSHB Radio	Tertiary Limestone	01-Jun-91	7.0	237	170	110
AMB-114	WSHB Radio	Tertiary Limestone	01-Jul-96	7.7	254	160	100
AMB-114	WSHB Radio	Tertiary Limestone	01-Jul-00	7.9	252	170	110
AMB-115	McCormick CPW	Piedmont Bedrock	01-Jul-00	8.3	536	380	230
AMB-116	Pelion	Black Creek	15-May-01	4.6	28.0	26	
AMB-117	Brattonsville	Piedmont Bedrock	01-May-02	7.1	159	110	55
AMB-118	Orangeburg Co.		01-May-02	8.7	170	100	19
AMB-119	Mt. Pleasant	Middendorf	01-May-02	8.6	1970	1100	5.7
AMB-120	Elgin	Middendorf	01-May-02	5.2	20.7	24	2.6
AMB-121	McClellanville		01-May-02	7.6	565	320	230
AMB-122	State Park		01-May-02	8.4	2940	1400	39

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	TOC	CL_ppm	CL_epm	CL_%-	SO4_ppm	SO4_epm	SO4_%-
AMB-108	Caesar's Head	3.4	6.0	0.17	2.6	12	0.25	3.83
AMB-108	Caesar's Head	<2	1.3	0.04	13.79	<5	0	0
AMB-108	Caesar's Head	<2	9.9	0.28	60.87	<5	0	0
AMB-109	City of Spartanburg	3.0	5.1	0.14	8.59	<10	0	0
AMB-109	City of Spartanburg	3.1	5.5	0.15	7.94	16	0.33	17.46
AMB-110	Chester State Park	4.5	17.9	0.5	11.14	38	0.79	17.59
AMB-110	Chester State Park	8.9	18	0.51	9.92	50	1.04	20.23
AMB-111	Church	1.9	4.5	0.13	25.49	<10	0	0
AMB-111	Church	<2	4.4	0.12	24	<5	0	0
AMB-111	Church	<2.0	4.6	0.13	24.07	<5.0	0	0
AMB-112	Westside Estates	1.5	2.2	0.06	5.41	<10	0	0
AMB-112	Westside Estates	2.4	2.2	0.06	5	8	0.17	14.17
AMB-112	Westside Estates	3.2	2.8	0.08	7.77	5.0	0.1	9.71
AMB-113	Amick Poultry	2.5	6.4	0.18	14.63	15	0.31	25.2
AMB-113	Amick Poultry	5	8.8	0.25	11.01	50	1.04	45.81
AMB-113	Amick Poultry	<2	7.1	0.2	10.36	47	0.98	50.78
AMB-114	WSHB Radio	4.1	4.4	0.12	5.66	<10	0	0
AMB-114	WSHB Radio	<2	4.5	0.13	5.75	5	0.1	4.42
AMB-114	WSHB Radio	<2	4.2	0.12	5.56	6	0.12	5.56
AMB-115	McCormick CPW	<2	16.4	0.46	8.76	150	3.12	59.43
AMB-116	Pelion	<2	2.4	0.07	100	<5	0	0
AMB-117	Brattonsville	<2	4.1	0.12	9.37	5.5	0.11	8.59
AMB-118	Orangeburg Co.	<2	1.6	0.05	3.6	7.8	0.16	11.51
AMB-119	Mt. Pleasant	<2	120	3.38	19.31	8.9	0.19	1.09
AMB-120	Elgin	<2	2	0.06	100	<5	0	0
AMB-121	McClellanville	5.1	33	0.93	18.71	5.4	0.11	2.21
AMB-122	State Park	<2	540	15.21	61.16	23	0.48	1.93

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	ALK_ppm	ALK_epm	ALK_%-	CA_ppm	CA_epm	CA_%	MG_ppm
AMB-108	Caesar's Head	373	6.11	93.57	1.5	0.07	0.99	0.41
AMB-108	Caesar's Head	15	0.25	86.21	3	0.15	44.12	1.2
AMB-108	Caesar's Head	11	0.18	39.13	2.2	0.11	18.97	1
AMB-109	City of Spartanburg	91	1.49	91.41	19	0.95	47.74	3.7
AMB-109	City of Spartanburg	86	1.41	74.6	20	1	46.51	3.9
AMB-110	Chester State Park	195	3.2	71.27	67	3.34	55.57	19
AMB-110	Chester State Park	219	3.59	69.84	57	2.84	51.54	19
AMB-111	Church	23	0.38	74.51	2.6	0.13	25.49	0.71
AMB-111	Church	23	0.38	76	2.5	0.12	22.22	0.68
AMB-111	Church	25	0.41	75.93	2.6	0.13	22.03	0.72
AMB-112	Westside Estates	64	1.05	94.59	14	0.7	53.03	1.7
AMB-112	Westside Estates	59	0.97	80.83	13	0.65	50.39	1.6
AMB-112	Westside Estates	52	0.85	82.52	13	0.65	52	1.6
AMB-113	Amick Poultry	45	0.74	60.16	1.7	0.08	9.64	6.20
AMB-113	Amick Poultry	60	0.98	43.17	20	1	43.67	9
AMB-113	Amick Poultry	46	0.75	38.86	5.2	0.26	17.45	10
AMB-114	WSHB Radio	122	2	94.34	39	1.95	76.47	3.2
AMB-114	WSHB Radio	124	2.03	89.82	37	1.85	75.51	2.9
AMB-114	WSHB Radio	117	1.92	88.89	39	1.95	78.31	2.4
AMB-115	McCormick CPW	102	1.67	31.81	81	4.04	76.37	7.8
AMB-116	Pelion	0.0	0	0	0.27	0.01	11.11	0
AMB-117	Brattonsville	64	1.05	82.03	15	0.75	50.68	4.3
AMB-118	Orangeburg Co.	72	1.18	84.89	6	0.3	18.07	0.93
AMB-119	Mt. Pleasant	850	13.93	79.6	1.5	0.07	0.35	0.48
AMB-120	Elgin	<1	0	0	0.36	0.02	16.67	0.41
AMB-121	McClellanville	240	3.93	79.07	79	3.94	69.49	8.5
AMB-122	State Park	560	9.18	36.91	6.1	0.3	1.26	5.8

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MG_%	MG_epm	NA_ppm	NA_epm	K_ppm	K_epm	NA_K%
AMB-108	Caesar's Head	0.42	0.03	160	6.96 <6		0	98.58
AMB-108	Caesar's Head	29.41	0.12		0.09 <1		0	26.47
AMB-108	Caesar's Head	13.79	0.08	7.8	0.34 2		0.05	67.24
AMB-109	City of Spartanburg	15.08	0.317		0.74 <1		0	37.19
AMB-109	City of Spartanburg	14.88	0.3218		0.78 2		0.05	38.6
AMB-110	Chester State Park	25.96	1.5622		0.96 6		0.15	18.47
AMB-110	Chester State Park	28.31	1.5622		0.96 6		0.15	20.15
AMB-111	Church	11.76	0.067.4		0.32 <1		0	62.75
AMB-111	Church	11.11	0.067.7		0.33 1		0.03	66.67
AMB-111	Church	10.17	0.068.1		0.35 1.9		0.05	67.8
AMB-112	Westside Estates	10.61	0.1411		0.48 <1		0	36.36
AMB-112	Westside Estates	10.08	0.1311		0.48 1		0.03	39.53
AMB-112	Westside Estates	10.4	0.139.4		0.41 2.4		0.06	37.6
AMB-113	Amick Poultry	61.45	0.515.5		0.24 <1		0	28.92
AMB-113	Amick Poultry	32.31	0.7412		0.52 1		0.03	24.02
AMB-113	Amick Poultry	55.03	0.828.0		0.35 2.3		0.06	27.52
AMB-114	WSHB Radio	10.2	0.267.8		0.34 <1		0	13.33
AMB-114	WSHB Radio	9.8	0.247.7		0.33 1		0.03	14.69
AMB-114	WSHB Radio	8.03	0.27.2		0.31 1		0.03	13.65
AMB-115	McCormick CPW	12.1	0.6414		0.61 <1		0	11.53
AMB-116	Pelion	0	01.8		0.08 <1		0	88.89
AMB-117	Brattonsville	23.65	0.357.2		0.31 2.6		0.07	25.68
AMB-118	Orangeburg Co.	4.82	0.0826		1.13 6		0.15	77.11
AMB-119	Mt. Pleasant	0.2	0.04460		20 3		0.08	99.46
AMB-120	Elgin	25	0.031.6		0.07 <1		0	58.33
AMB-121	McClellanville	12.35	0.720		0.87 6.4		0.16	18.17
AMB-122	State Park	2.01	0.48520		22.61 18		0.46	96.73

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
AMB-108	Caesar's Head	0.10	<.005				
AMB-108	Caesar's Head	<0.1	<.005	<.05	<.01	0.21	<.05
AMB-108	Caesar's Head	<.1	<.005	<.05	<.01	0.081	<.05
AMB-109	City of Spartanburg	0.14	<.005	<.05	0.02	0.10	<.05
AMB-109	City of Spartanburg	<0.1	<.005	<.05	<.01	0.42	<.05
AMB-110	Chester State Park	0.43	<.005	0.07		0.46	
AMB-110	Chester State Park	0.36	<.005	0.08	<.01	0.84	<.05
AMB-111	Church	0.20	<.005	<.05	<.05	0.13	<.05
AMB-111	Church	<0.1	<.005	<.05	<.01	0.15	<.05
AMB-111	Church	<.10	<.0050	<.050	<.010	0.12	<.050
AMB-112	Westside Estates	1.26	<.005	<.05	<.05	0.08	<.05
AMB-112	Westside Estates	1.1	<.005	<.05	<.01	<.02	<.05
AMB-112	Westside Estates	0.92	<.0050	<.050	<.010	<.020	<.050
AMB-113	Amick Poultry	0.14	<.005			13	
AMB-113	Amick Poultry	0.08	0.006	<.05	<.01	21	<.05
AMB-113	Amick Poultry	<.1	<.005	<.05	0.015	16	<.05
AMB-114	WSHB Radio	0.18	<.005	<.05	<.05	0.01	<.05
AMB-114	WSHB Radio	0.12	<.005	<.05	<.01	<.02	<.05
AMB-114	WSHB Radio	0.14	<.005	<.05	<.01	<.02	<.05
AMB-115	McCormick CPW	0.22	<.005	0.07	<.01	0.06	<.05
AMB-116	Pelion	<.1	<.005	<.05	<.01	<.02	<.05
AMB-117	Brattonsville	0.18	<.005	<.05	<.01	<.02	<.05
AMB-118	Orangeburg Co.	0.23	<.005	<.05	<.01	<.02	<.05
AMB-119	Mt. Pleasant	4.7	<.005	<.05	<.01	<.02	<.05
AMB-120	Elgin	<.1	<.005	<.05	<.01	0.033	<.05
AMB-121	McClellanville	0.11	<.005	<.05	<.01	0.8	<.05
AMB-122	State Park	2	<.005	<.05	<.01	0.27	<.05

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm
AMB-108	Caesar's Head						
AMB-108	Caesar's Head	<.01	0.57	<.05	<.003	<.03	<.02
AMB-108	Caesar's Head	<.01	0.036	<.1	<.003	<.1	<.02
AMB-109	City of Spartanburg	0.05	0.12	<.05	<.001	0.04	
AMB-109	City of Spartanburg	0.08	0.17	0.17	<.003	<.03	<.02
AMB-110	Chester State Park	0.39	0.01				
AMB-110	Chester State Park	0.48	<.01	<.05	<.003	<.03	<.02
AMB-111	Church	0.02	0.64	<.05	<.001	<.02	<.02
AMB-111	Church	<.01	0.65	<.05	<.003	<.03	<.02
AMB-111	Church	<0.010	1.2	<.10	0.0058	<.10	<0.020
AMB-112	Westside Estates	0.03	0.11	<.05	<.003	<.02	
AMB-112	Westside Estates	0.06	0.02	<.05	<.003	<.03	<.02
AMB-112	Westside Estates	0.052	0.016	<.10	0.0055	<.10	<0.020
AMB-113	Amick Poultry	0.54	0.03				
AMB-113	Amick Poultry	0.29	0.39	0.18	<.003	<.03	<.02
AMB-113	Amick Poultry	1.2	0.03	<.1	<.003	<.1	<.02
AMB-114	WSHB Radio	0.02	0.02	<.05	<.001	<.05	<.05
AMB-114	WSHB Radio	0.02	<.01	<.05	<.003	<.03	<.02
AMB-114	WSHB Radio	0.02	<.01	<.1	<.003	<.1	<.02
AMB-115	McCormick CPW	0.15	<.01	<.1	<.003	<.1	<.02
AMB-116	Pelion	<.01	<.01	<.1	<.003	<.1	<.02
AMB-117	Brattonsville	<.01	2.3	<.1	<.003	<.1	<.02
AMB-118	Orangeburg Co.	<.01	<.01	<.1	<.003	<.1	<.02
AMB-119	Mt. Pleasant	<.01	<.01	<.1	<.003	3	<.02
AMB-120	Elgin	<.01	<.01	<.1	<.003	<.1	<.02
AMB-121	McClellanville	0.18	0.019	<.1	<.003	<.1	<.02
AMB-122	State Park	<.01	0.17	<.1	<.003	1.8	<.02

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
AMB-108	Caesar's Head	<.0002					
AMB-108	Caesar's Head	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-108	Caesar's Head	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-109	City of Spartanburg	<.0002					
AMB-109	City of Spartanburg	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-110	Chester State Park	<.0002					
AMB-110	Chester State Park	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-111	Church	<.0002					
AMB-111	Church	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-111	Church	<0.00020	<0.020	<0.0020	<0.030	<0.50	<0.15
AMB-112	Westside Estates	<.0002				0.06	
AMB-112	Westside Estates	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-112	Westside Estates	<0.00020	<0.020	<0.0020	<0.030	<0.50	<0.15
AMB-113	Amick Poultry	<.0002					
AMB-113	Amick Poultry	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-113	Amick Poultry	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-114	WSHB Radio	<.0002	<.02	<.005	<.05	<1	<.15
AMB-114	WSHB Radio	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-114	WSHB Radio	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-115	McCormick CPW	<.0002	<.02	<.005	<.03	<.5	<.15
AMB-116	Pelion	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-117	Brattonsville	<.0002	<.02	0.01	<.03	<.5	<.15
AMB-118	Orangeburg Co.	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-119	Mt. Pleasant	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-120	Elgin	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-121	McClellanville	<.0002	<.02	<.002	<.03	<.5	<.15
AMB-122	State Park	<.0002	<.02	<.002	<.03	<.5	<.15

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
AMB-108	Caesar's Head						8	
AMB-108	Caesar's Head	<.01	<.01	<.02	<.01	<.05	15	0.02
AMB-108	Caesar's Head	<.01	<.01	<.02	<.01	<.05	15	0.023
AMB-109	City of Spartanburg						39	0.19
AMB-109	City of Spartanburg	<.01	<.01	<.02	<.01	<.05	38	0.20
AMB-110	Chester State Park						46	0.17
AMB-110	Chester State Park	<.01	<.01	<.02	<.01	<.05	43	0.19
AMB-111	Church						45	0.02
AMB-111	Church	<.01	<.01	<.02	<.01	<.05	38	0.03
AMB-111	Church	<0.010	<0.010	<0.020	<0.010	<0.050	47	0.030
AMB-112	Westside Estates				0.01		42	0.06
AMB-112	Westside Estates	<.01	<.01	<.02	0.01	<.05	37	0.06
AMB-112	Westside Estates	<0.010	<0.010	<0.020	0.014	<0.050	39	0.063
AMB-113	Amick Poultry				0.03		27	0.03
AMB-113	Amick Poultry	<.01	<.01	0.04	0.03	<.05	26	0.1
AMB-113	Amick Poultry	<.01	<.01	<.02	0.040	<.05	22	0.071
AMB-114	WSHB Radio	<.01	<.05	<.05	<.05	<.2	29	0.20
AMB-114	WSHB Radio	<.01	<.01	<.02	<.01	<.05	25	0.19
AMB-114	WSHB Radio	<.01	<.01	<.02	<.01	<.05	28	0.18
AMB-115	McCormick CPW	<.01	<.01	<.02	<.01	<.05	37	0.42
AMB-116	Pelion	<.01	<.01	<.02	<.01	<.05	7.2	<.01
AMB-117	Brattonsville	<.01	<.01	<.02	<.01	<.05	42	0.082
AMB-118	Orangeburg Co.	<.01	<.01	<.02	<.01	<.05	14	0.071
AMB-119	Mt. Pleasant	<.01	<.01	<.02	0.02	<.05	17	0.62
AMB-120	Elgin	<.01	<.01	<.02	<.01	<.05	5.4	<.01
AMB-121	McClellanville	<.01	<.01	<.02	<.01	<.05	47	0.39
AMB-122	State Park	<.01	<.01	<.02	0.029	<.05	20	0.38

APPENDIX D: AMBIENT WELL NETWORK WATER QUALITY DATA

Well	Location	NO3_ppm	TNK_ppm
AMB-108	Caesar's Head	0.11	
AMB-108	Caesar's Head	<.02	ND
AMB-108	Caesar's Head	0.12	ND
AMB-109	City of Spartanburg	0.06	0.10
AMB-109	City of Spartanburg	0.15	ND
AMB-110	Chester State Park		0.13
AMB-110	Chester State Park	<.02	ND
AMB-111	Church		
AMB-111	Church	0.07	ND
AMB-111	Church	0.020	
AMB-112	Westside Estates	0.21	
AMB-112	Westside Estates	0.16	ND
AMB-112	Westside Estates	0.42	
AMB-113	Amick Poultry	0.06	0.14
AMB-113	Amick Poultry	0.02	ND
AMB-113	Amick Poultry	<.02	ND
AMB-114	WSHB Radio	<.02	0.22
AMB-114	WSHB Radio	<.02	ND
AMB-114	WSHB Radio	0.43	ND
AMB-115	McCormick CPW	0.34	ND
AMB-116	Pelion	0.85	ND
AMB-117	Brattonsville	1.2	0.12
AMB-118	Orangeburg Co.	<.02	<.1
AMB-119	Mt. Pleasant	<.02	0.4
AMB-120	Elgin	1	<.1
AMB-121	McClellanville	<.02	0.89
AMB-122	State Park	<.02	0.68